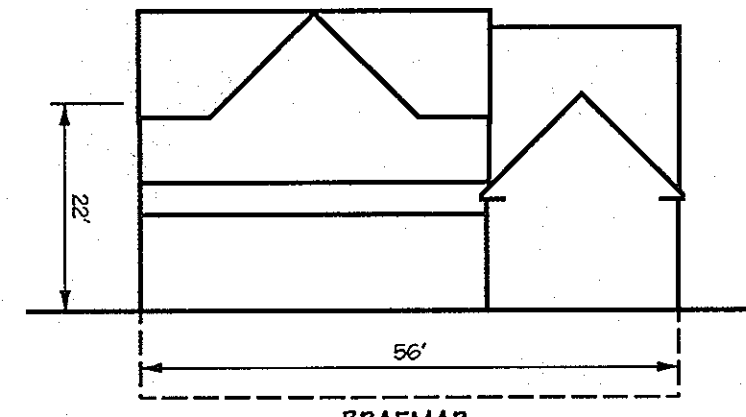
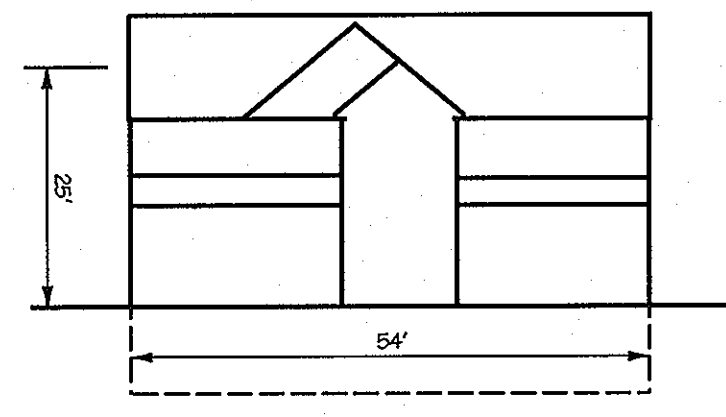


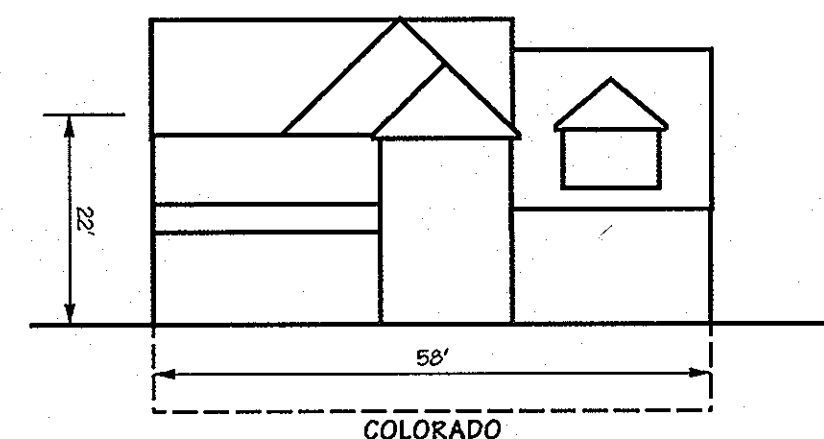
BERKELEY



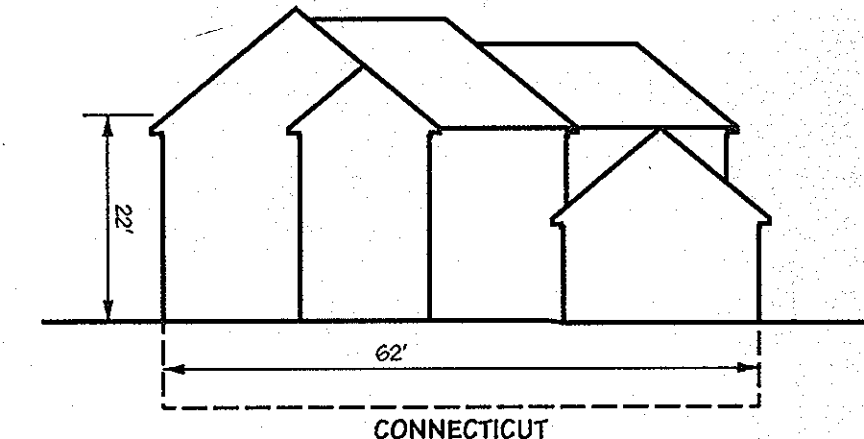
BRAEMAR



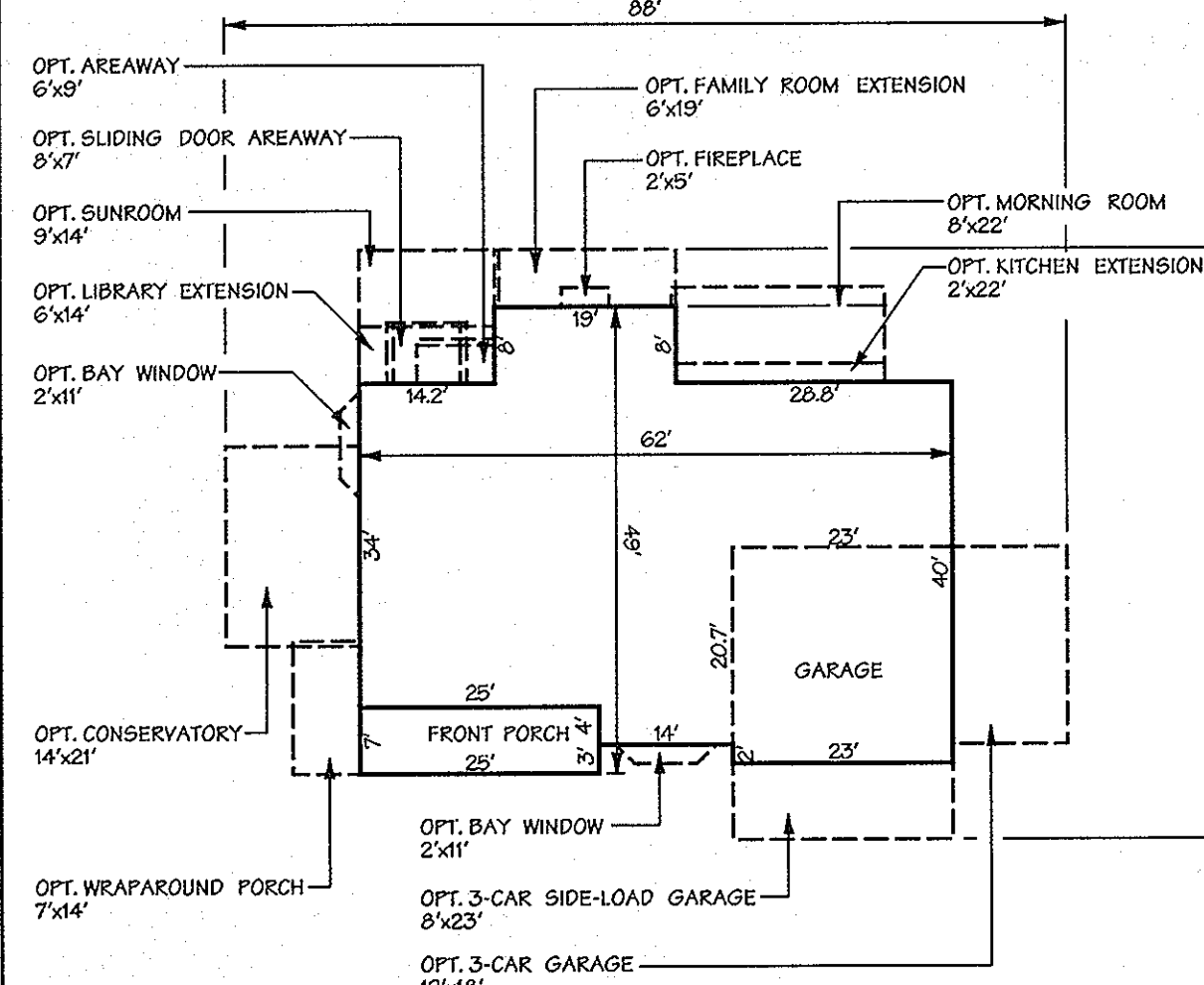
CALIFORNIA



COLORADO

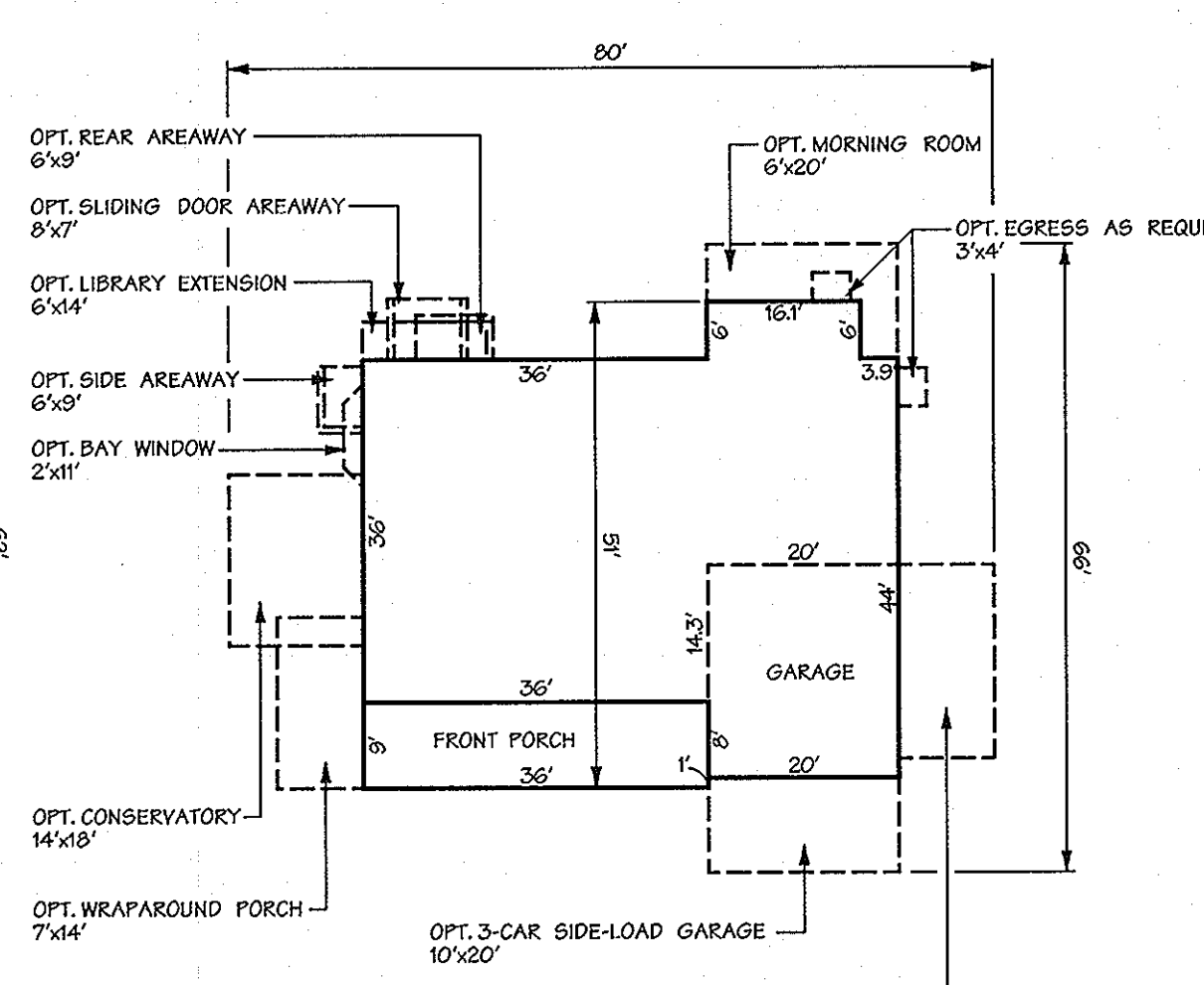


CONNECTICUT



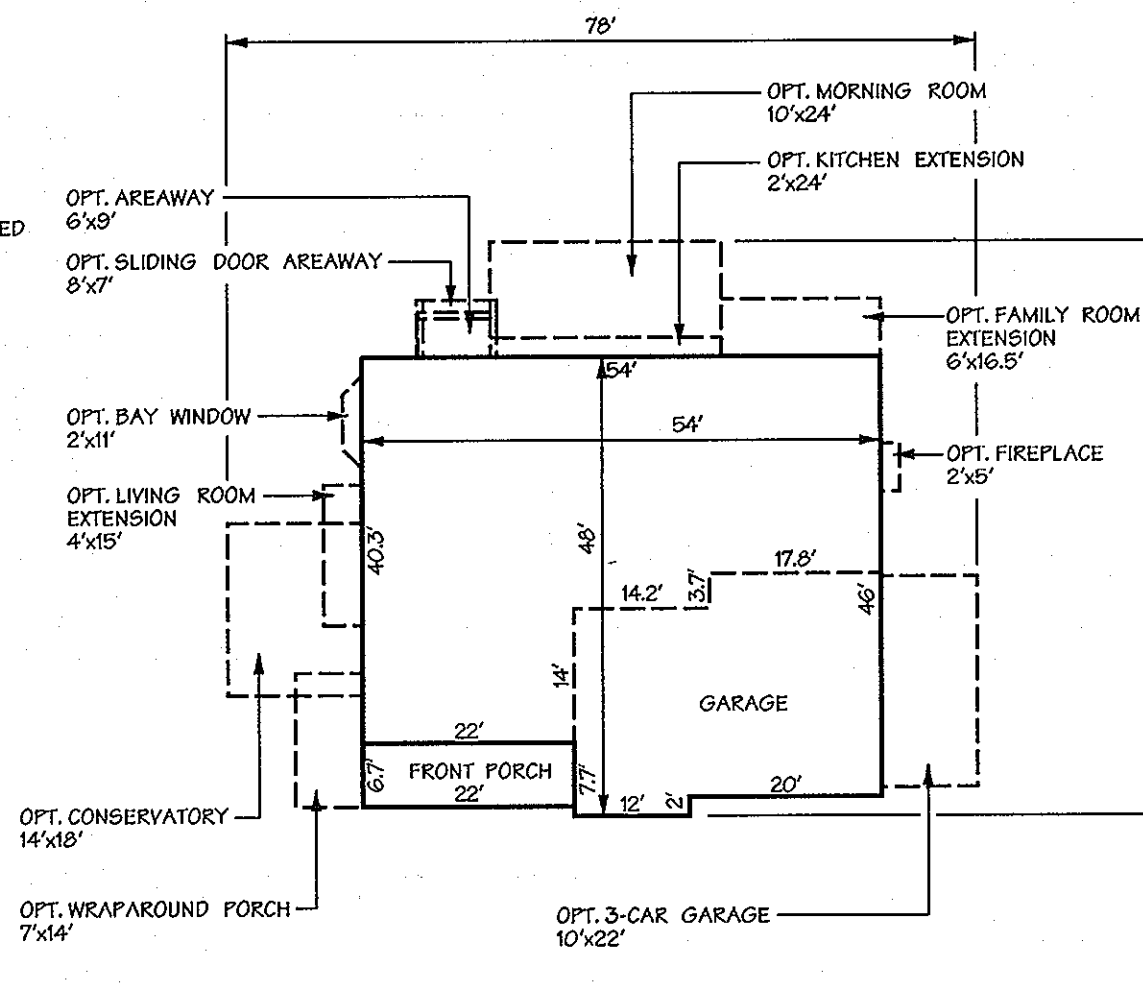
BERKELEY

SCALE: 1"=20'



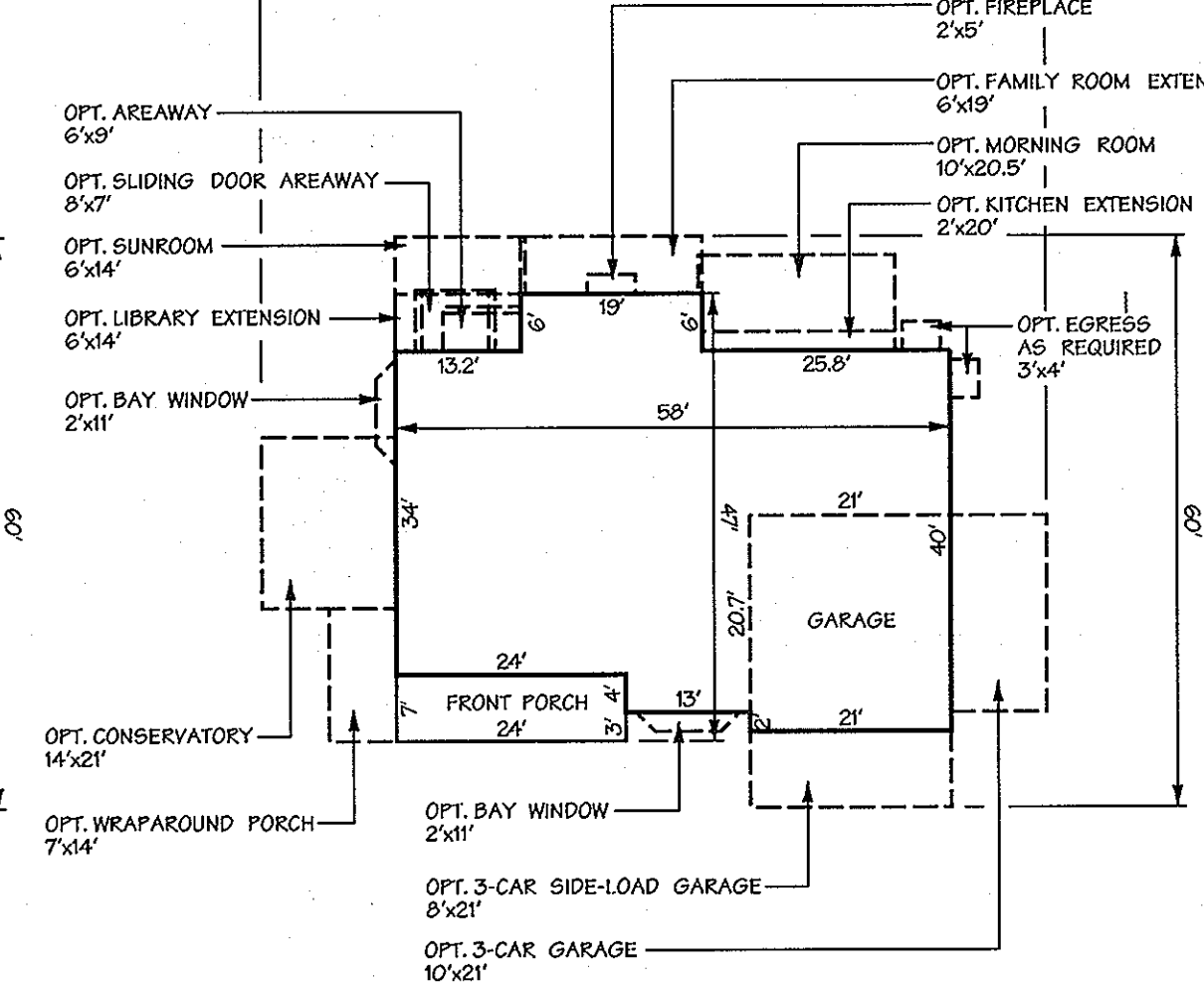
BRAEMAR

SCALE: 1"=20'



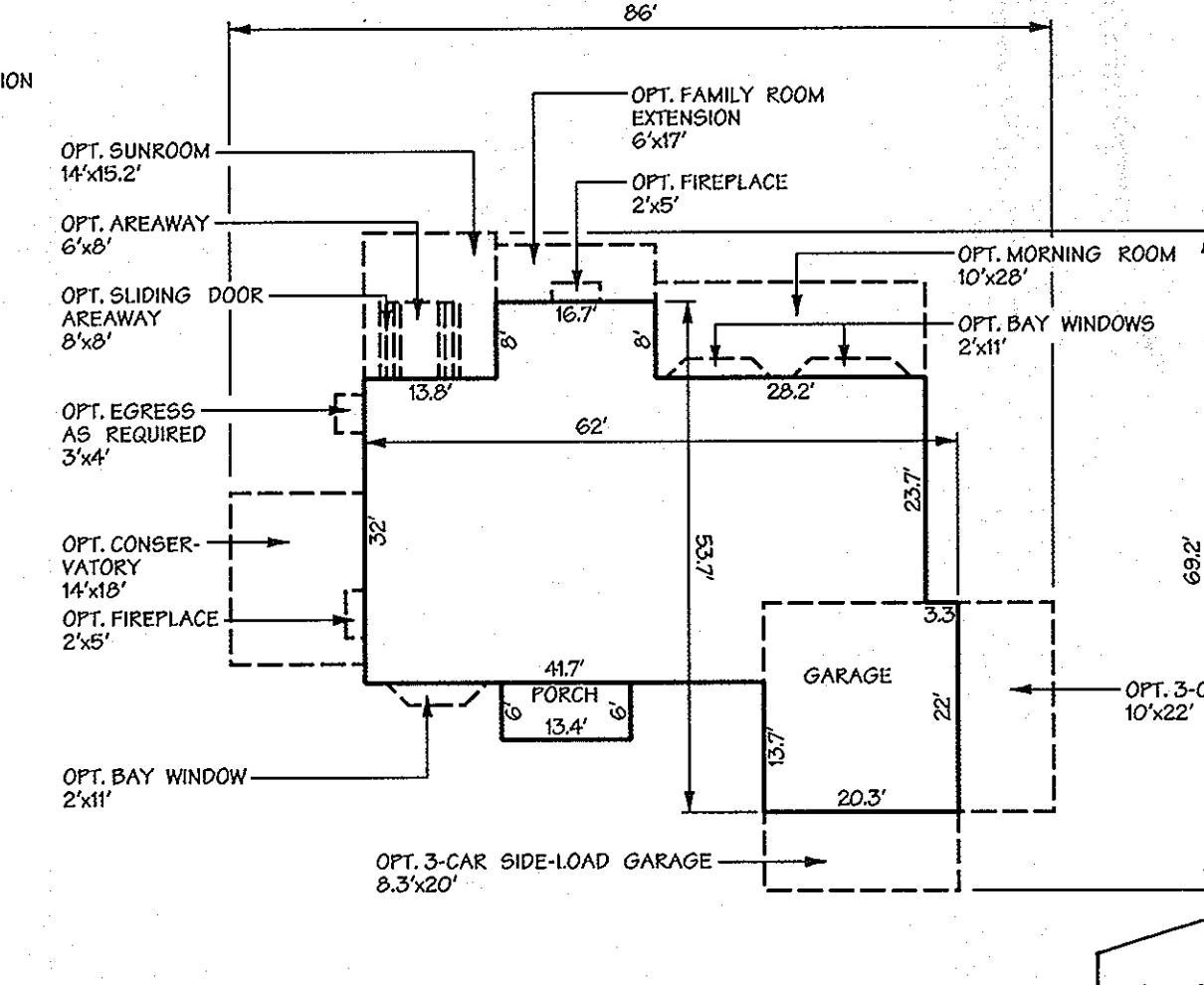
CALIFORNIA

SCALE: 1"=20'



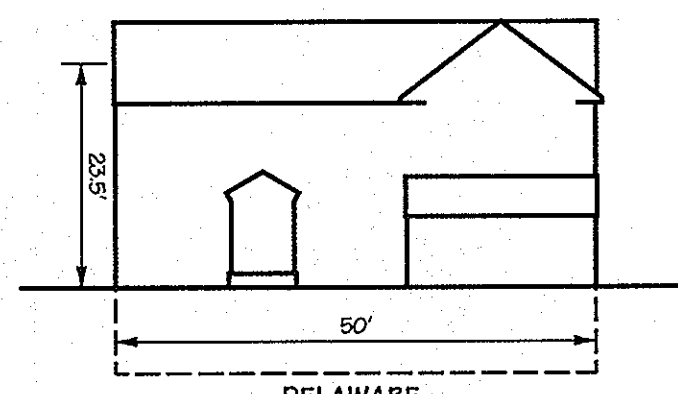
COLORADO

SCALE: 1"=20'

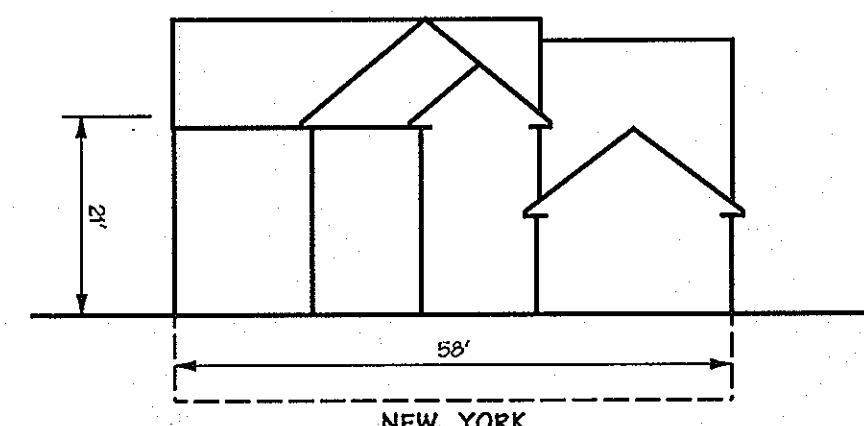


CONNECTICUT

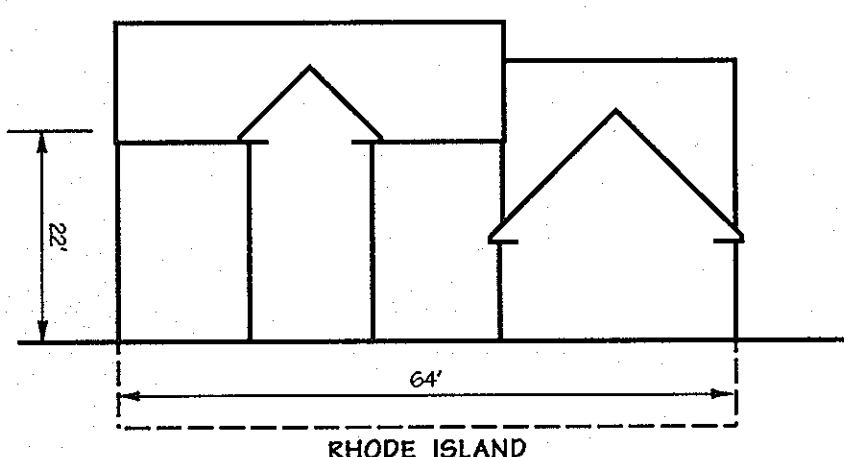
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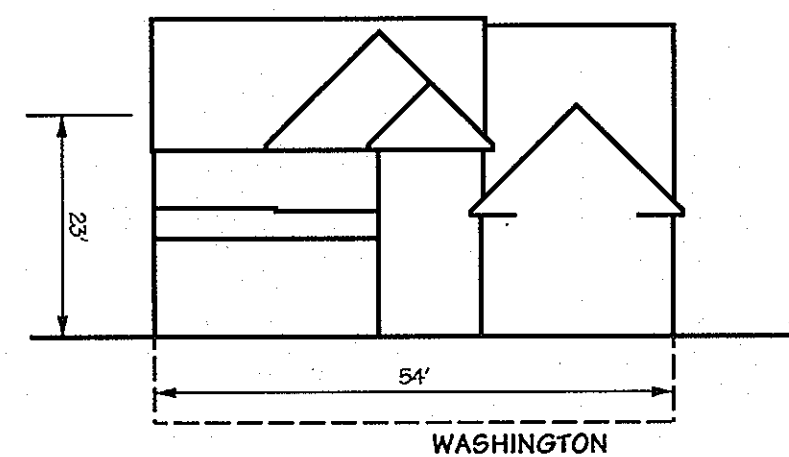
DELAWARE



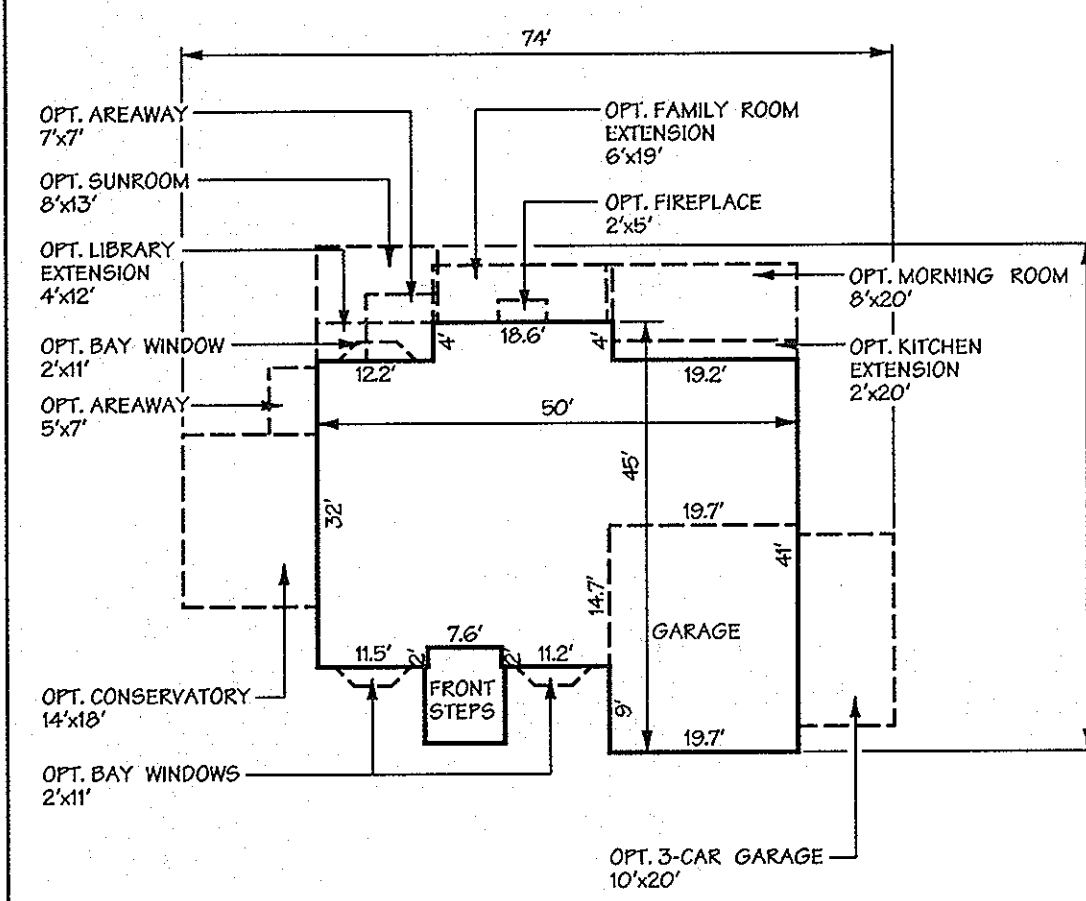
NEW YORK



RHODE ISLAND

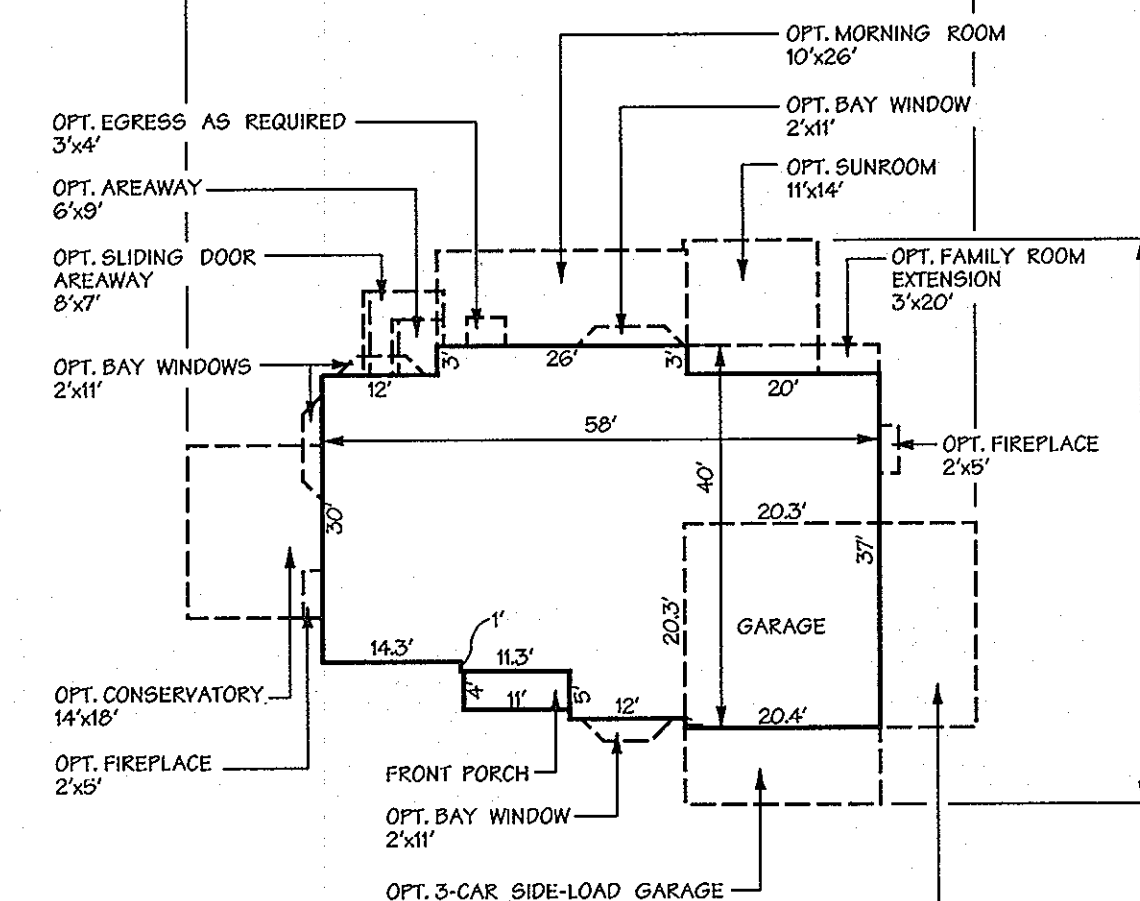


WASHINGTON



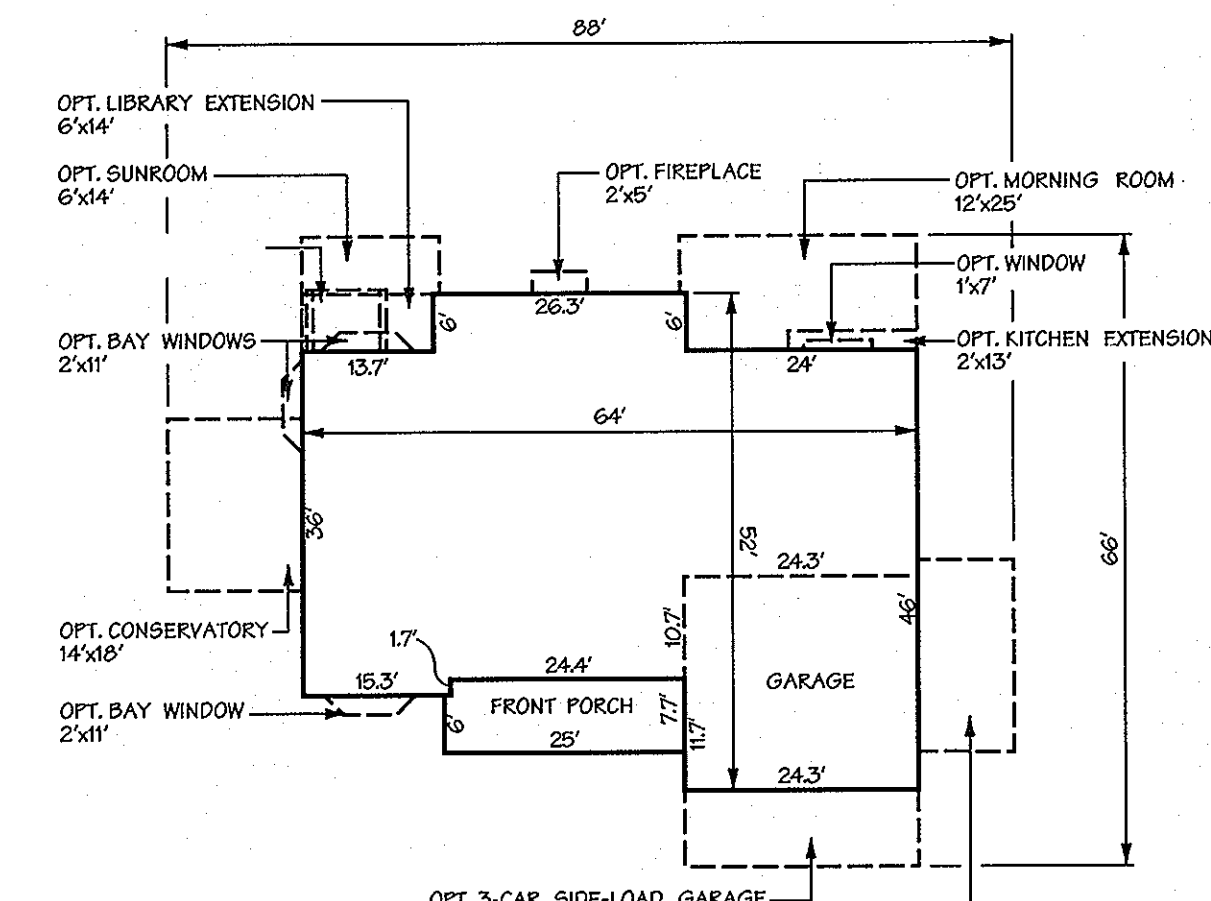
DELAWARE

SCALE: 1"=20'



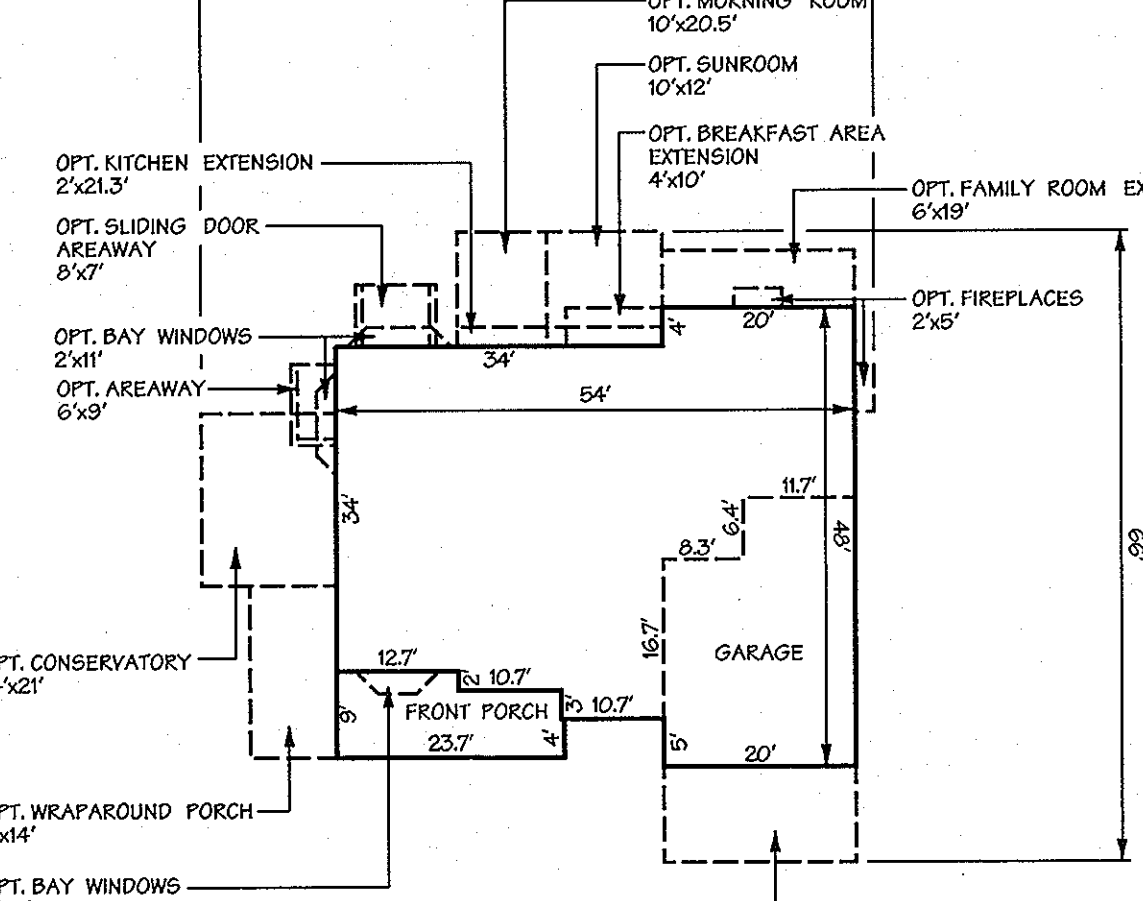
NEW YORK

SCALE: 1"=20'



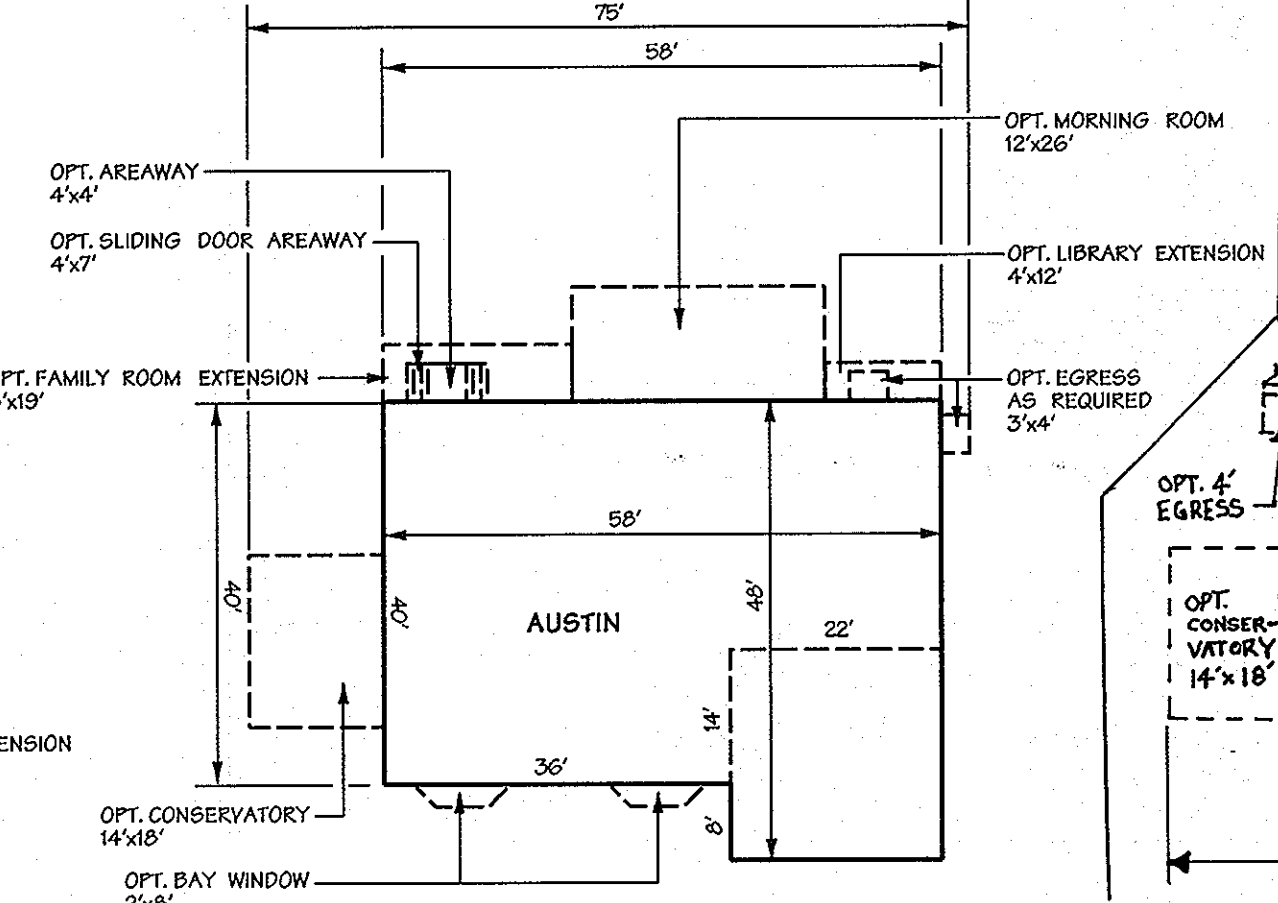
RHODE ISLAND

SCALE: 1"=20'



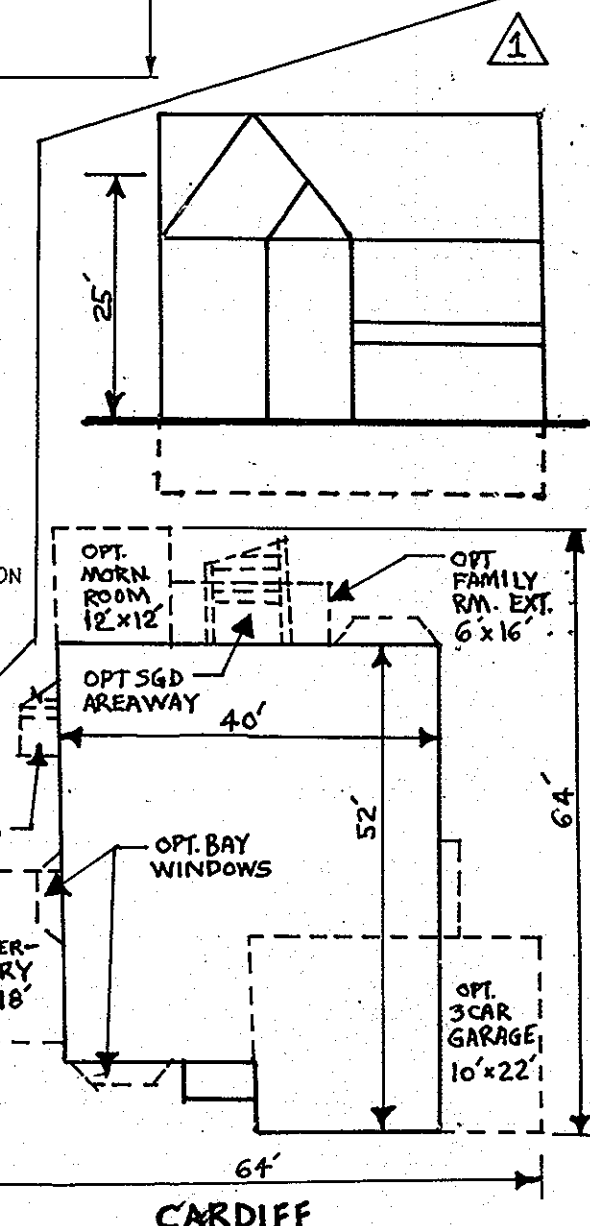
WASHINGTON

SCALE: 1"=20'

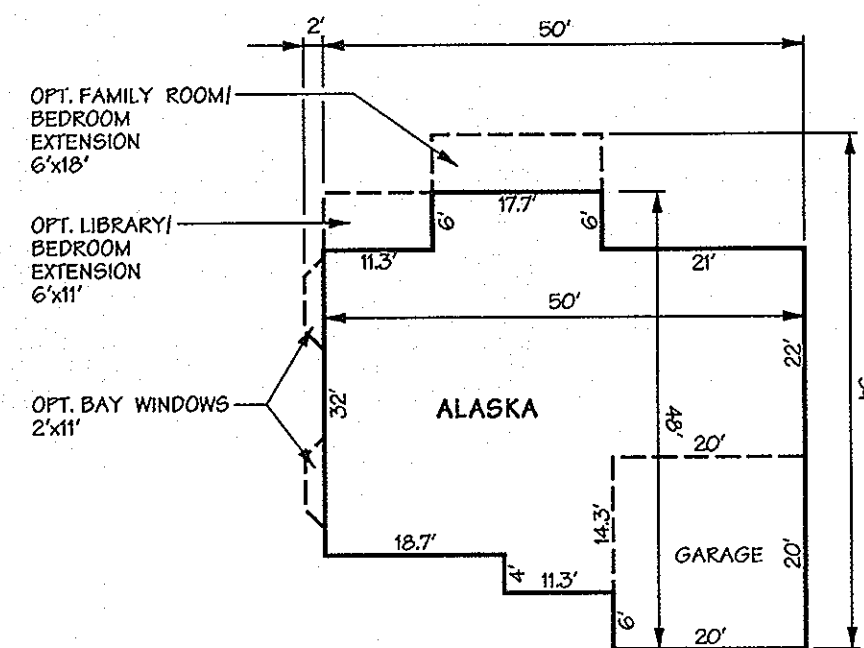


AUSTIN

SCALE: 1"=20'

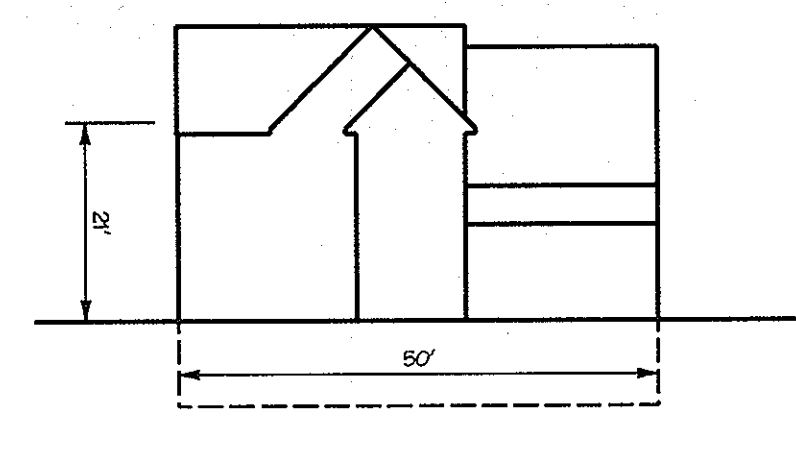


CARDIFF



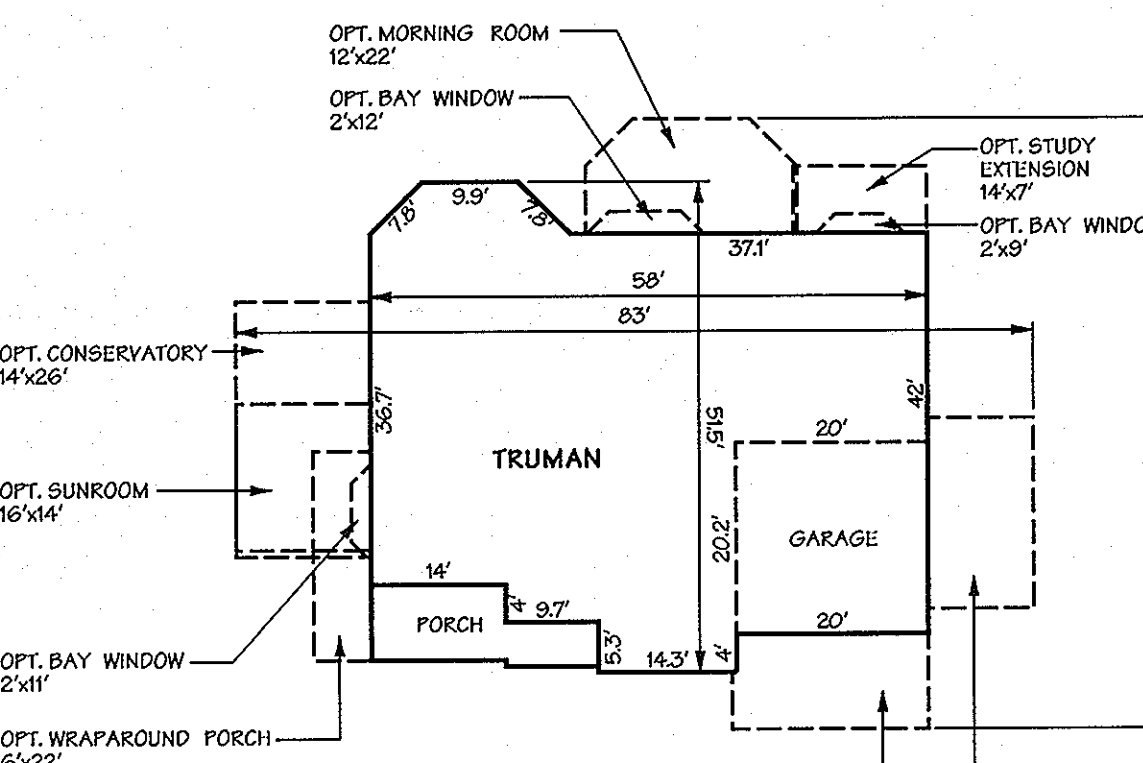
ALASKA

SCALE: 1"=20'



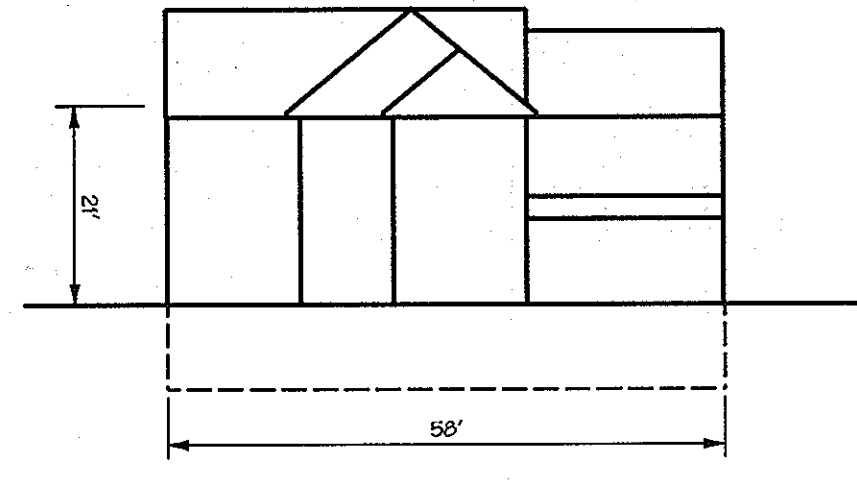
ALASKA

SCALE: 1"=20'



TRUMAN

SCALE: 1"=20'



TRUMAN

SCALE: 1"=20'

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DIRECTOR

[Signatures]
 DATE: 1/4/07
 DATE: 1/8/07
 DATE: 1/20/07

5-18-07	1	Add CARDIFF housetype
Date	No.	Revision Description

**SITE DEVELOPMENT PLAN
 CIDER MILL - PHASE II
 LOTS 43 THROUGH 97
 (RECORDED AS OWENS PROPERTY, PHASE II)**

OWNER(S):
 Fatapoco Landing LLC
 C/O James Kozly
 P.O. Box 520
 61 East Padonia Road
 Timonium, MD 21093

OWNER(S)/DEVELOPER:
 K. Howanin Homes of Maryland
 1802 Brightseat Road
 Landover, MD 20785
 301-772-8925

SUBDIVISION NAME	FLAT CIDER MILL (P153-17535)	SECTION/AREA	PHASE II	LOT/PANEL #	43-97
PLAT OR L.P.	1800 # 1800	TAX/ZONE MAP	31	ELECT. DISTRICT	1
PLAT OR L.P.	18278-18282	16,17	R20	GEN. TRACT	60101
PLAT/LOT	D-03	SEWER CODE	1254950		

2-21-06
 Date

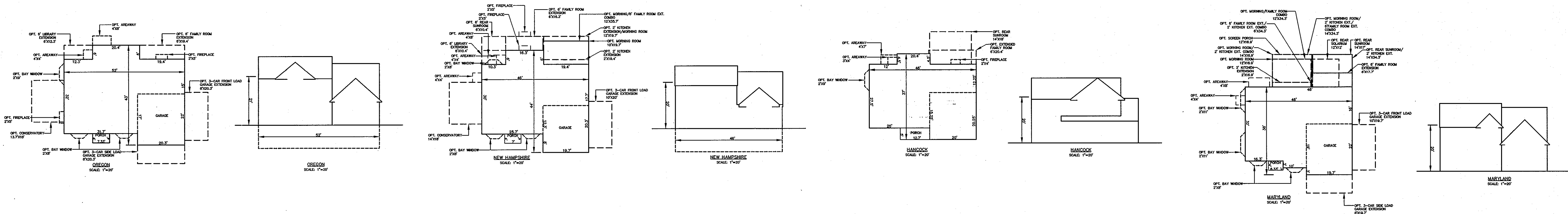
20184
 Professional Engr. No.

DMW
 Date: McQueen-Walker, Inc.
 300 East Pennsylvania Avenue
 Towson, Maryland 21286
 (410) 296-3333
 Fax: 296-4705

A Team of Land Planners,
 Landscape Architects,
 Engineers, Surveyors &
 Environmental Professionals

**HOUSE TEMPLATE PLANS
 AND ELEVATIONS**

Des. By	M.JR/JLT	Scale	AS NOTED	Proj. No.	01086.B2
Drn. By	JJERG	Date	12/22/06		
Chk. By		Approved			2 of 16



PURPOSE STATEMENT: THIS PLAN HAS BEEN PREPARED TO ALLOW FOR ADDITIONAL HOUSETYPES TO BE USED WITHIN THE SUBJECT PROJECT.

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

[Signature] 2/17/09
 CHIEF, DEVELOPMENT ENGINEERING DIVISION JHR. DATE

[Signature] 2/26/09
 CHIEF, DIVISION OF LAND DEVELOPMENT CHA. DATE

[Signature] 2/26/09
 DIRECTOR, DEP. DATE

Date	No.	Revision Description
12/16/08	2	ADD HANCOCK, MARYLAND, NEW HAMPSHIRE AND OREGON HOUSE TYPES

REVISED SITE DEVELOPMENT PLAN
 CIDER MILL - PHASE II
 LOTS 43 THROUGH 97
 (RECORDED AS OWENS PROPERTY, PHASE II)

OWNER(S): Patapasco Landing, LLC.
 C/O James Keelty
 P.O. Box 528
 Timonium, MD 21083

Developer: K. Hovmanian Company
 1802 Brightseat Road
 Landover, MD 20785

SUBDIVISION NAME CIDER MILL	SECTION/AREA PHASE II	LOT/PARCEL # 43-97
PLAN # OR L.P. 10276-10282	ZONE R20	ELECT. DISTRICT 1
WATER CODE D-03	SEWER CODE 1254550	CENSUS TRACT 601101

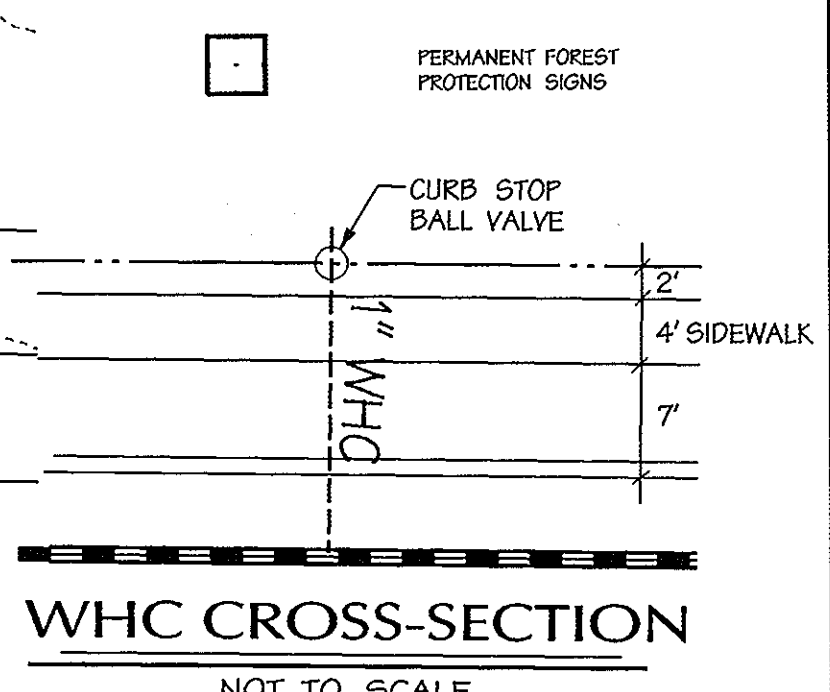
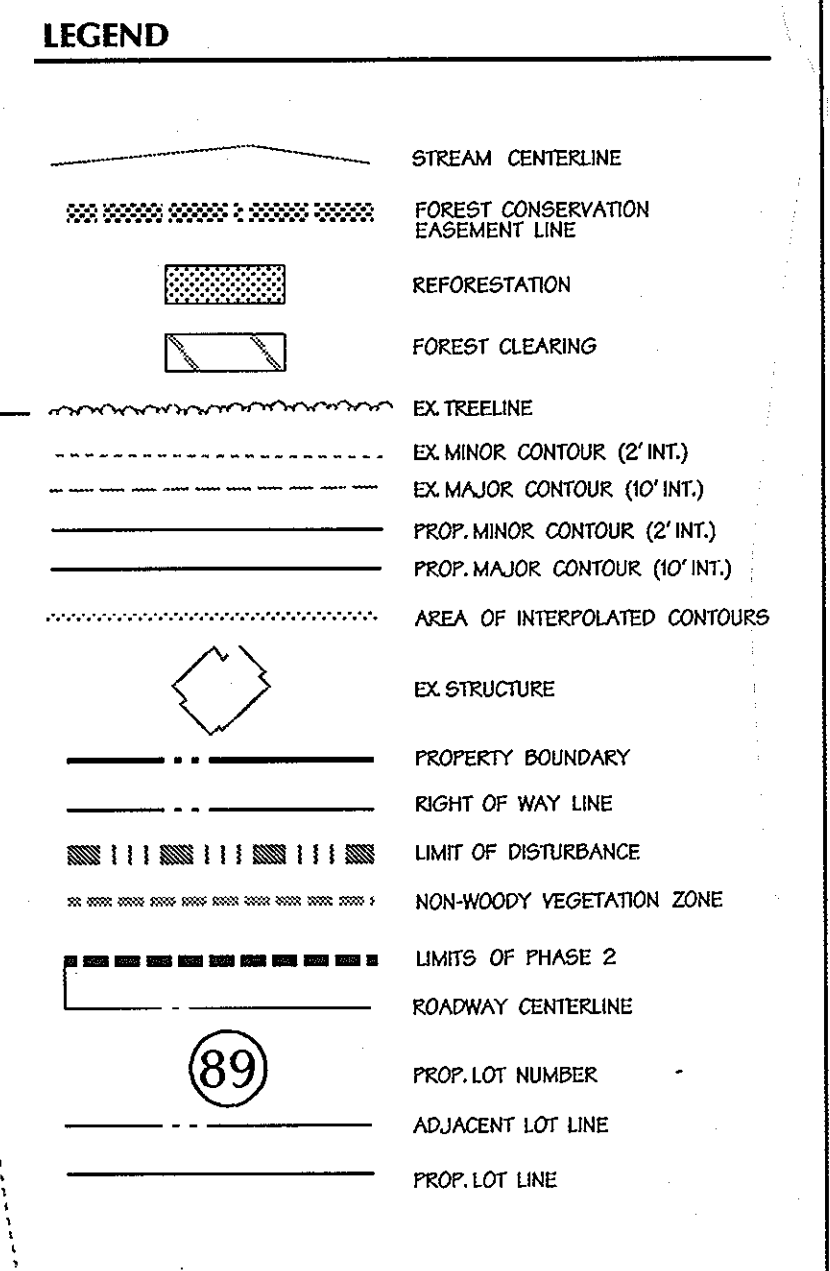
2/17/09
 Date

[Professional Seal]
 16019
 Professional Engr. No.

[Logo] LITTLE & ASSOCIATES, INC.
 ENGINEERS--LAND PLANNERS--SURVEYORS
 1035 TAYLOR AVENUE, SUITE 307
 TOWSON, MARYLAND 21286
 PHONE: (410)296-1636 FAX: (410)296-1639

TITLE
 HOUSE TEMPLATE PLANS
 AND ELEVATIONS

Des. By PFS	Scale AS NOTED	Proj. No. 07149
Dwn. By PFS	Date 12/03/08	2A of 16
Chk. By JAM	Approved	



APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

[Signature] 1/4/07
CHIEF, DEVELOPMENT ENGINEERING DIVISION gm DATE

[Signature] 1/8/07
CHIEF, DIVISION OF LAND DEVELOPMENT JA DATE

[Signature] 1/10/07
DIRECTOR DATE

Date	No.	Revision Description
10/23/06	4	GENERIC BOX CHANGE ON LOTS 84, 81, 82, LOT LINE CHANGE PER PLAT # 20244, GENERIC BOXES H, T, J, ADDRESS 537, ARCHITECT'S BUILDINGS, CAMBRIDGE, DENTON, EASTON HOUSE HOMES, ASKED

SITE DEVELOPMENT PLAN
CIDER MILL - PHASE II
LOTS 43 THROUGH 97
(RECORDED AS OWENS PROPERTY, PHASE II)

OWNER(S): Patapsco Landing, LLC
200 East Padonia Road
Timonium, MD 21093

OWNER(S)/DEVELOPER: K. Hovarian Homes of Maryland
1802 Brights Road
Landover, MD 20785
301-772-8925

DISVISION NAME (PLAT) SECTION/AREA LOT/AREA DATE
CIDER MILL (17533-17535) PHASE II T8 62-11, 11-1-12-7 20244
DATE OR 12-1-88 311 DATE/TIME MAP 31 DATE/TIME MAP 31 DATE/TIME MAP 31
18278-18281 02617 R20 1 1 1
WATER CODE D-03 SEWER CODE 1254950

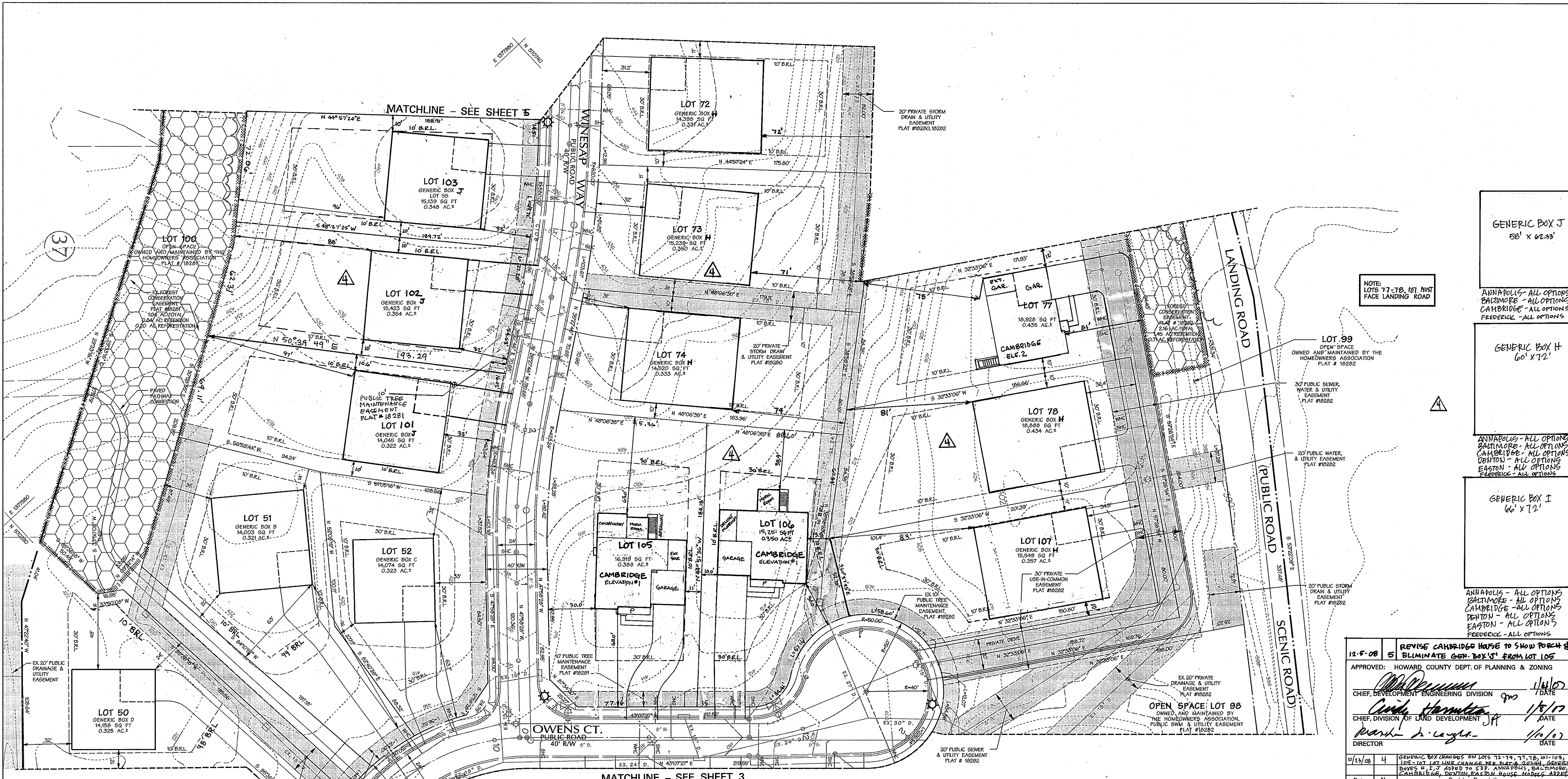
2-21-06
Date

DMW
Darrin McCon Walker, Inc.
200 East Padonia Road
Timonium, Maryland 21093
(410) 296-3838
Fax 296-4706

Professional Engr. No. 20784

SITE PLAN

Des. By	MJP	Scale	1"=30'	Proj. No.	01086.B2
Drn. By	SRG	Date	12/22/06		
Chk. By	Approved				3 of 16



MATCHLINE - SEE SHEET 5

MATCHLINE - SEE SHEET 3

NOTE:
LOTS 77-78, 101 MUST
FACE LANDING ROAD

GENERIC BOX J
58' x 62.33'

ANNAPOLIS - ALL OPTIONS
BALTIMORE - ALL OPTIONS
CAMBRIDGE - ALL OPTIONS
FREDERICK - ALL OPTIONS

GENERIC BOX H
60' x 72'

ANNAPOLIS - ALL OPTIONS
BALTIMORE - ALL OPTIONS
CAMBRIDGE - ALL OPTIONS
DENTON - ALL OPTIONS
EASTON - ALL OPTIONS
FREDERICK - ALL OPTIONS

GENERIC BOX I
66' x 72'

ANNAPOLIS - ALL OPTIONS
BALTIMORE - ALL OPTIONS
CAMBRIDGE - ALL OPTIONS
DENTON - ALL OPTIONS
EASTON - ALL OPTIONS
FREDERICK - ALL OPTIONS

12-5-08	5	REVISE CAMBRIDGE HOUSE TO SHOW PORCH & ELIMINATE GEN. BOX 'I' FROM LOT 105
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING		
<i>[Signature]</i>	1/14/07	DATE
CHIEF, DIVISION OF ENGINEERING	gms	
<i>[Signature]</i>	1/5/10	DATE
CHIEF, DIVISION OF LAND DEVELOPMENT	JH	
<i>[Signature]</i>	1/16/10	DATE
DIRECTOR		
10/13/08	4	GENERIC BOX MANAGES ON LOTS 72-74, 77, 78, 101-103, 105-107 LOT LINE CHANGE PER PLAT # 20284. GENERIC BOXES H, I, J ADDED TO S.P. ANNA POLIS, BALTIMORE, CAMBRIDGE, DENTON, EASTON HOUSE MODELS ADDED
Date	No.	Revision Description

SITE DEVELOPMENT PLAN
CIDER MILL - PHASE II
LOTS 43 THROUGH 97
(RECORDED AS OWENS PROPERTY, PHASE II)

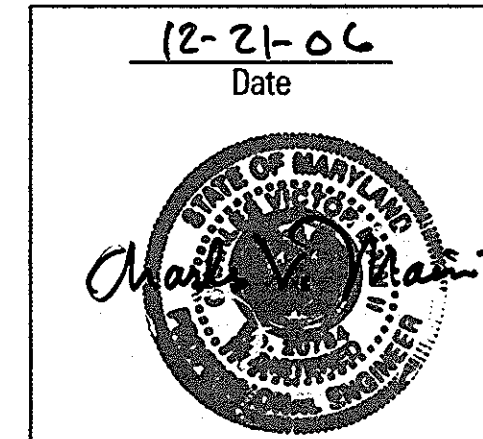
OWNER(S):
Fatepsco Landing, LLC
C/O James Kelly
P.O. Box 528
61 East Padonia Road
Timonium, MD 21093

PROJECT NAME	PHASE II	SECTION/AREA	LOT/BLK #
CIDER MILL (PLAT 17533-17535)	PHASE II		76, 80-87, 101-107
RATE OF UP	DATE	TAXING MAP	BLK/LOT
10270-10280	01.16.17	R20	1
WATER CODE	SWIM CODE	SECTION	GEN. BOX
D-03	1254550		60101

DMW
Duff McChesney-Walkers, Inc.
200 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 286-3333
Fax 296-4705

SITE PLAN

Des. By	MJP	Scale	1"=30'	Proj. No.	01086.B2
Dm. By	SRG	Date	12/22/06		
Chk. By	Approved				



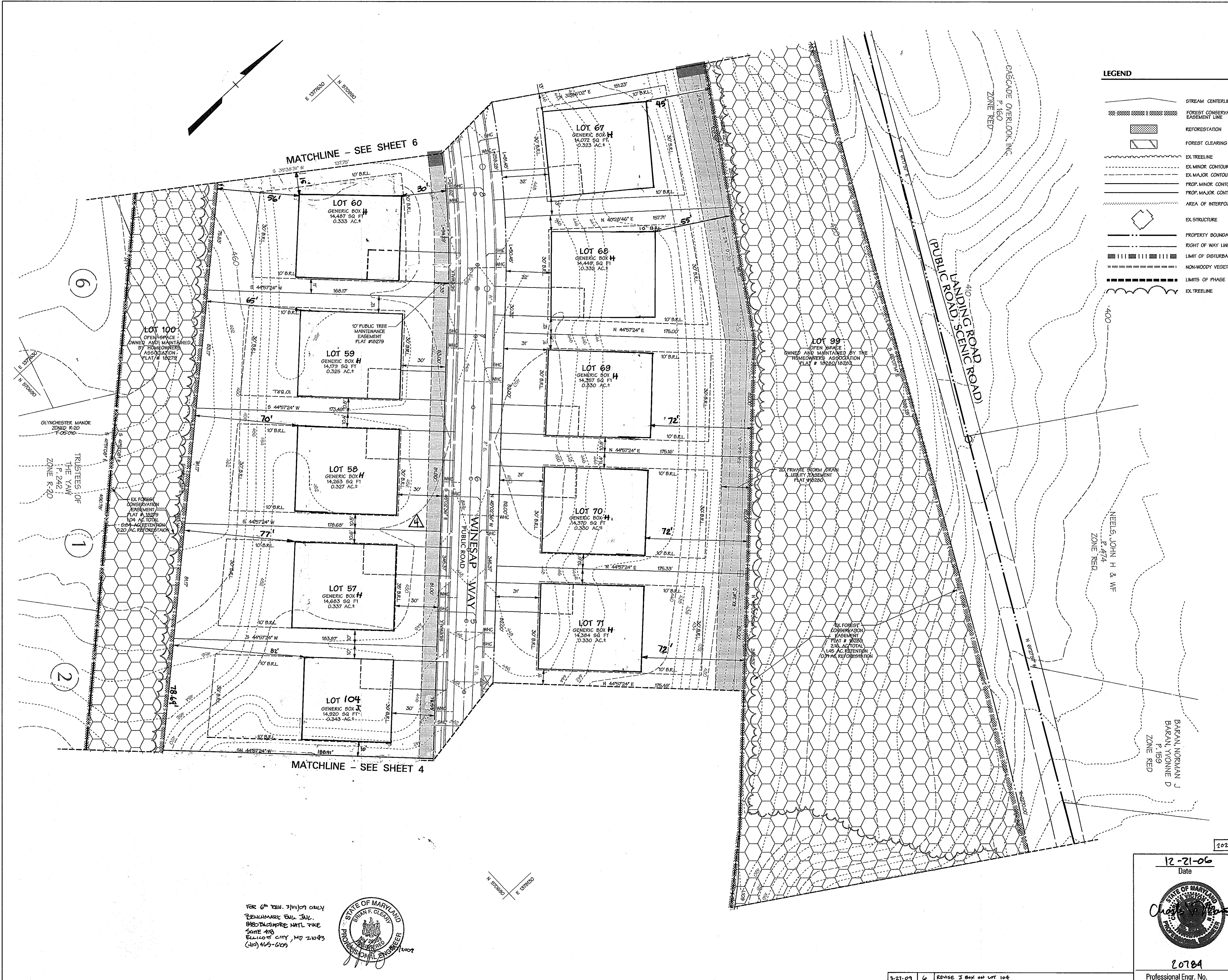
20784
Professional Engr. No.

LEGEND

	STREAM CENTERLINE		ROADWAY CENTERLINE
	FOREST CONSERVATION EASEMENT LINE		PROP. LOT NUMBER
	REFORESTATION		ADJACENT LOT LINE
	FOREST CLEARING		PROP. LOT LINE
	EXT. TREE LINE		STEEP SLOPES (15-24.9% SLOPES)
	EX. MINOR CONTOUR (2' INT.)		STEEP SLOPES (25%+ SLOPES)
	EX. MAJOR CONTOUR (10' INT.)		SPECIMEN TREES WITH CRITICAL ROOT ZONES
	PROP. MINOR CONTOUR (2' INT.)		SPECIMEN TREES TO BE REMOVED
	PROP. MAJOR CONTOUR (10' INT.)		PERMANENT FOREST PROTECTION SIGNS
	AREA OF INTERPOLATED CONTOURS		
	EX. STRUCTURE		
	PROPERTY BOUNDARY		
	RIGHT OF WAY LINE		
	LIMIT OF DISTURBANCE		
	NON-WOODY VEGETATION ZONE		
	LIMITS OF PHASE 2		
	EXT. TREE LINE		

8th REV. OF 11/19/2010 ONLY
7th REV. OF 12/11/2011 ONLY
FOR CH. REV. OF SDP 3/27/2009 ONLY
DENMARK F.L.W., INC.
630 BALTIMORE WALK, PHASE
SUITE 418
BELL-CITY, MD 21043
(410) 465-6105

11-19-12	6	SHOW CAMBRIDGE GARAGE RIGHT ON LOT 77
12-21-11	7	SHOW CAMBRIDGE W/ HATCH MARK & DELETE WORKROOM ON LOT 101, DELETE BOX
3-27-09	6	DELETE HOUSE TYPE FOOTPRINTS, REVISE CAMBRIDGE LOCATION ON LOT 105, REVISE LOT DIMS ON LOTS 101, 103, 105, LOT 105 TO BE 67.23' DEEP. ADD FREDERICK HOUSE TYPE TO GENERIC BOXES.



LEGEND

	STREAM CENTERLINE		ROADWAY CENTERLINE
	FOREST CONSERVATION EASEMENT LINE		PROP. LOT NUMBER
	REFORESTATION		ADJACENT LOT LINE
	FOREST CLEARING		PROP. LOT LINE
	EX. TREELINE		STEEP SLOPES (15-24.9% SLOPES)
	EX. MINOR CONTOUR (2' INT.)		STEEP SLOPES (25%+ SLOPES)
	EX. MAJOR CONTOUR (10' INT.)		SPECIMEN TREES WITH CRITICAL ROOT ZONES
	PROP. MAJOR CONTOUR (10' INT.)		SPECIMEN TREES TO BE REMOVED
	AREA OF INTERPOLATED CONTOURS		PERMANENT FOREST PROTECTION SIGNS
	EX. STRUCTURE		
	PROPERTY BOUNDARY		
	RIGHT OF WAY LINE		
	LIMIT OF DISTURBANCE		
	NON-WOODY VEGETATION ZONE		
	LIMITS OF PHASE 2		
	EX. TREELINE		

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

	11/4/07
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
	11/8/07
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE
	11/1/07
DIRECTOR	DATE

Date	No.	Revision Description
10/23/06	4	GENERIC BOX CHANGES ON LOTS 57-60, 67-71, 104, LOT LINES FOR PLAT # 10244, GENEVIE BOVES H.S. 7 ADDED. AMW/BA/S, BATHOUSE, GAMBRILOE, PENYON, EASTON HOUSE, LORDES ADDED

SITE DEVELOPMENT PLAN
CIDER MILL - PHASE II
LOTS 43 THROUGH 97
 (RECORDED AS OWENS PROPERTY, PHASE II)

OWNER(S):
 Patepoco Landing LLC
 C/O James Kealey
 P.O. Box 528
 61 East Padonia Road
 Timonium, MD 21093

OWNER(S)/DEVELOPER:
 K. Hovarian Homes of Maryland
 1802 Brightness Road
 Landover, MD 20785
 301-772-8925

SECTION NAME	PLAT	SECTION/AREA	LOT/AREA
CIDER MILL	17533-17535	PHASE II	TTI 1 F, 80-93, 161-167

DATE	NO.	REVISION	DATE
10/23/06	4	GENERIC BOX CHANGES ON LOTS 57-60, 67-71, 104, LOT LINES FOR PLAT # 10244, GENEVIE BOVES H.S. 7 ADDED. AMW/BA/S, BATHOUSE, GAMBRILOE, PENYON, EASTON HOUSE, LORDES ADDED	

12-21-06
Date

20784
Professional Engr. No.

TITLE			
SITE PLAN			
Des. By	MJP	Scale	1"=30'
Dm. By	SRG	Date	12/22/06
Proj. No.	01086.B2		
Chk. By	Approved		
5 of 16			

FOR 6th EDN. 3/21/07 ONLY
 BENCHMARK EMB. JUL.
 880 BLOOMING MIL. TIRE
 SOME 418
 BELMONT CITY, MD 21043
 (410) 465-6025



3-27-09 6 REUSE 3 BOX ON LOT 104



LEGEND

	STREAM CENTERLINE		ROADWAY CENTERLINE
	FOREST CONSERVATION EASEMENT LINE		PROP. LOT NUMBER
	REFORESTATION		ADJACENT LOT LINE
	FOREST CLEARING		PROP. LOT LINE
	EX. TREE LINE		STEEP SLOPES (15-24.9% SLOPES)
	EX. MINOR CONTOUR (2' INT.)		STEEP SLOPES (25%+ SLOPES)
	EX. MAJOR CONTOUR (10' INT.)		SPECIMEN TREES WITH CRITICAL ROOT ZONES
	PROP. MINOR CONTOUR (2' INT.)		SPECIMEN TREES TO BE REMOVED
	AREA OF INTERPOLATED CONTOURS		PERMANENT FOREST PROTECTION SIGNS
	EX. STRUCTURE		
	PROPERTY BOUNDARY		
	RIGHT OF WAY LINE		
	LIMIT OF DISTURBANCE		
	NON-WOODY VEGETATION ZONE		
	LIMITS OF PHASE 2		
	EX. TREE LINE		

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

	1/4/17
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
	1/5/17
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE
	1/10/17
DIRECTOR	DATE

Date	No.	Revision Description
10/20/14	4	GENERIC BOX CHANGES LOTS 61-67, LOT LINE CHANGES PER PLAT # 20244, GENERIC BOXES 4, 5, 7, 11 ADDED TO S.D.P. ANNAPOLIS BALTIMORE CAMBRIDGE DENVER, EASTON HAVRE MODELS REVISED

SITE DEVELOPMENT PLAN
CIDER MILL - PHASE II
LOTS 43 THROUGH 97
 (RECORDED AS OWENS PROPERTY, PHASE II)

OWNER(S): Patapoco Landing LLC
 C/O James Keilty
 P.O. Box 523
 61 East Padonia Road
 Timonium, MD 21083

OWNER(S)/DEVELOPER: K. Hovarian Homes of Maryland
 1802 Brightseat Road
 Landover, MD 20785
 301-772-8925

SUBDIVISION NAME (PLAT)	CIDER MILL (7523-17535)	SECTION/AREA	PHASE II	LOT/PARCEL #	43-52, 57-74, 77, 78, 80-97, 101-107
DATE OF 1ST SUB # 128	10/27/88	1ST SUB AREA	31	TOTAL ACRES	1.0
DATE OF 2ND SUB # 128	10/16/17	2ND SUB AREA	R20	DATE RECORDED	6/01/17

12-21-06
Date

DMW
 Daft McCune-Walker, Inc.
 200 East Pennsylvania Avenue
 Towson, Maryland 21286
 (410) 296-3333
 Fax 296-4705

A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

TITLE: **SITE PLAN**

Des. By	MJP	Scale	1"=30'	Proj. No.	01086.B2
Dwn. By	SRG	Date	12/22/06		
Chk. By		Professional Engr. No.	20784		

6 of 16

4-20-2012	9	SHOW BALTIMORE, ELEV 2 ON LOT 61 AND SHOW PRIVATE STORM DRAIN
3-11-10	8	REVISE BOXES ON LOTS 61 & 63 TO 5' BOX. FLIP BOX TO BE A LEFT SIDE EADGE ON LOT 63. REVISE LOT LINE & BULLS PER RECORDED PLAT.
3-27-09	6	REVISE 3' BOX ON LOTS 61 AND 67

FOR CITY REVISIONS CALL
 BACHMANN ENV. INC.
 BACHMANN NAT'L BKE
 SUITE 413
 ELLICOTT CITY, MD 21043
 (410) 465-6105

SRG 11/17/2007

N 137630
 E 137630

MATCHLINE - SEE SHEET 5

LOT 67

LOT 66

LOT 65 I

LOT 62

LOT 63

LOT 64

GLYNCHESTER MANOR
 F-05-010

ZAISER PROPERTY
 F-06-116

OPEN SPACE
 TO BE DEDICATED
 TO H.O.A.

LANDING ROAD
 (PUBLIC ROAD, SCENIC ROAD)

WYNESBORO WAY
 PUBLIC ROAD

VARIABLE-WIDTH PRIVATE
 STORM DRAIN & UTILITY
 EASEMENT
 PLAT #18278

NON-BUILDABLE
 BULK PARCEL 'C'

NOTE:
 TEMPORARY DRIVEWAY TO TIE INTO
 THE TURNAROUND DRIVEWAY WILL
 BE REVISED ONCE ROAD IS EXTENDED.

E 137720
 N 137630

WAL Doc. No. 12-21-06 2008



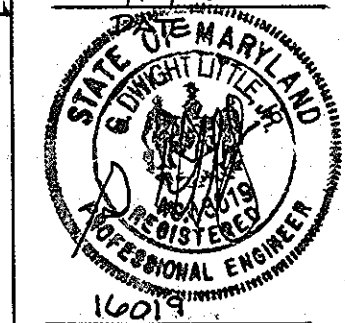
LEGEND

	FOREST CONSERVATION EASEMENT LINE
	EX TREE LINE
	EX MINOR CONTOUR (2' INT.)
	EX MAJOR CONTOUR (10' INT.)
	PROP. MINOR CONTOUR (2' INT.)
	PROP. MAJOR CONTOUR (10' INT.)
	PROPERTY BOUNDARY
	RIGHT OF WAY LINE
	LIMITS OF PHASE 2
	ROADWAY CENTERLINE
	PROP. LOT NUMBER
	ADJACENT LOT LINE
	PROP. LOT LINE
	PERMANENT FOREST PROTECTION SIGNS
	EXISTING WATER LINE
	EXISTING SEWER LINE
	EXISTING STORM DRAIN
	EXISTING TREES PER F-04-029
	PROPOSED DECIDUOUS TREE
	PROPOSED SMALL DECIDUOUS TREE

DATE: 1/12/2010
 381 FOR REV D (1/12/2010) AND 11 (9-3-10)
 8400 BALTIMORE NATL. PARK SWY #8
 BALTIMORE CITY MD 21043
 (410) 465 6105

DATE	NO.	REVISION DESCRIPTION
4-9-2010	10	REVISE GRADES AND SHOW HOUSE ON LOT 81 PER AS-BUILT CONDITIONS
1/10/09	5	REVISE BUR. E. LOT #87

FOR 5TH REVISION OF SDP
 DATED 2/10/09
LITTLE & ASSOC., INC.
 1055 TAYLOR AVENUE
 SUITE 307
 TOWSON, MD. 21286
 (410) 296-1636



10-23-08 4 GENERAL BOX CHANGES ON LOTS 80-83; LOT LINE CHANGE PER PLAT # 20244 - GENERAL BOXES H, I, J - ADDED TO SDP. MAIN PLOTS, BALTIMORE, CAMBRIDGE, DEPTON/EMSTON HOUSE #10552 & ADDED

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

Howard County 1/14/07
 CHIEF, DEVELOPMENT ENGINEERING DIVISION gno DATE

Cindy Hamilton 1/18/07
 CHIEF, DIVISION OF LAND DEVELOPMENT ja DATE

Maureen A. Coyle 1/10/07
 DIRECTOR DATE

Date	No.	Revision Description
4-11-08	3	Rev Grading on Lot 83
11-16-07	2	Rev Grading on Lot 84

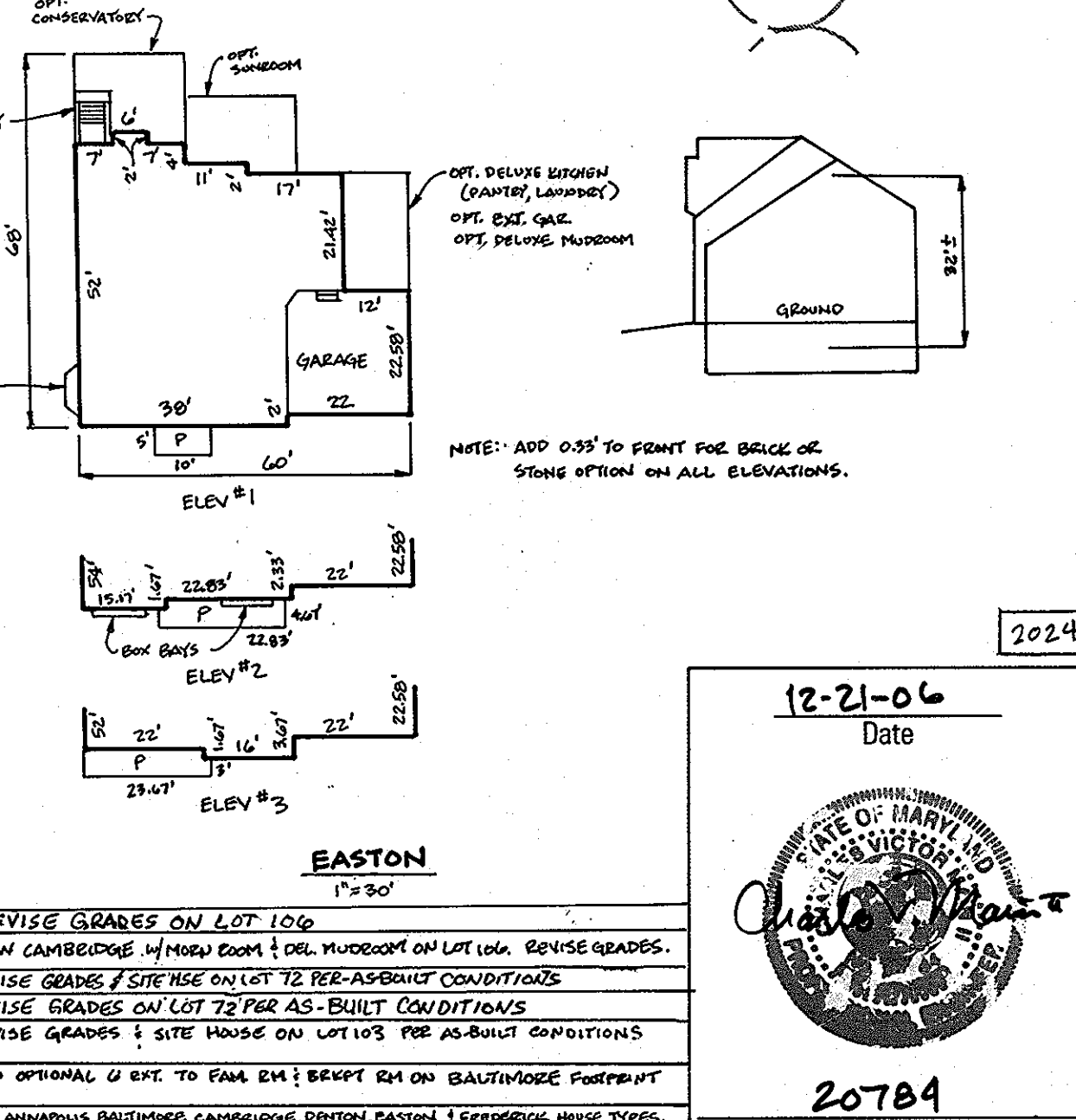
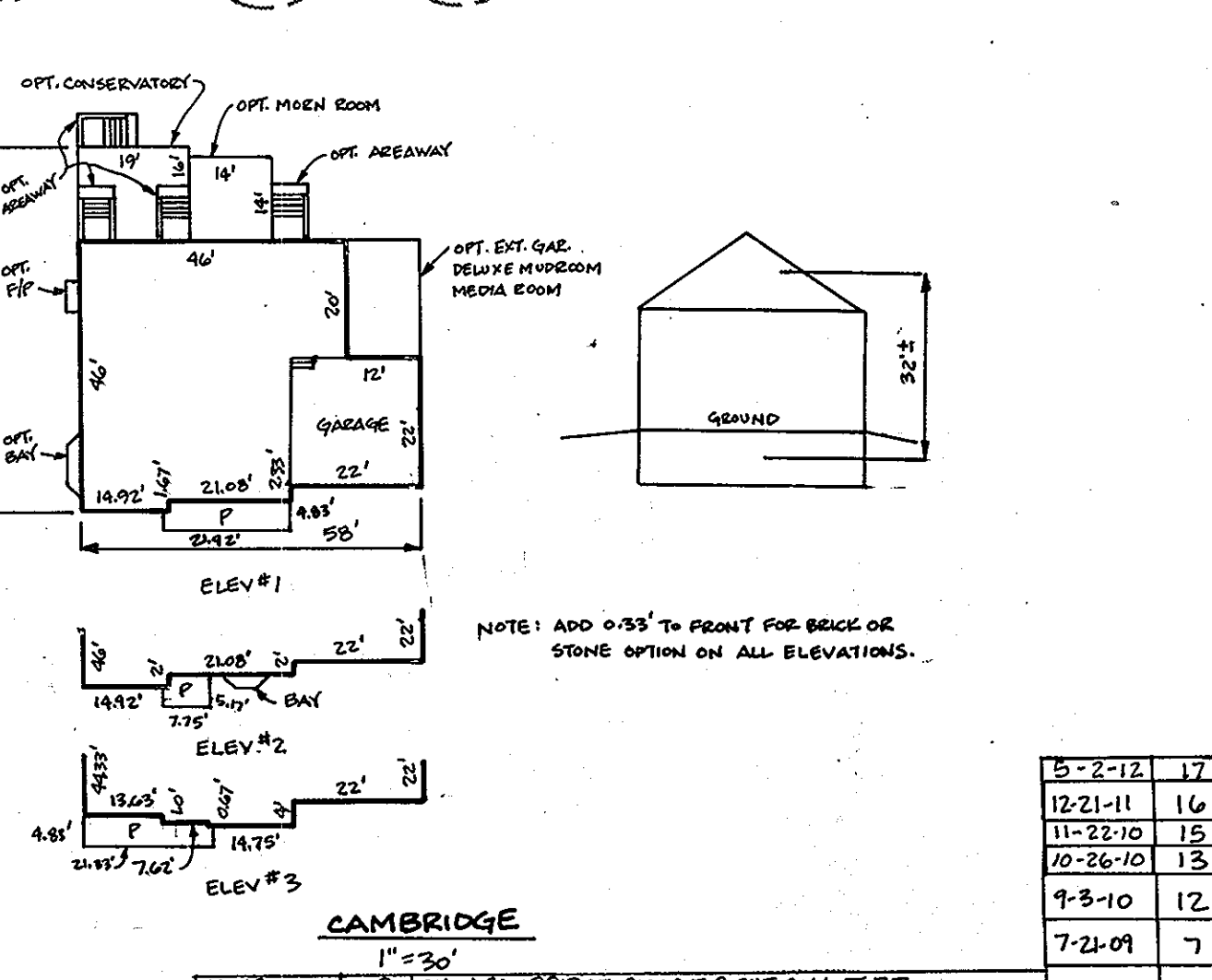
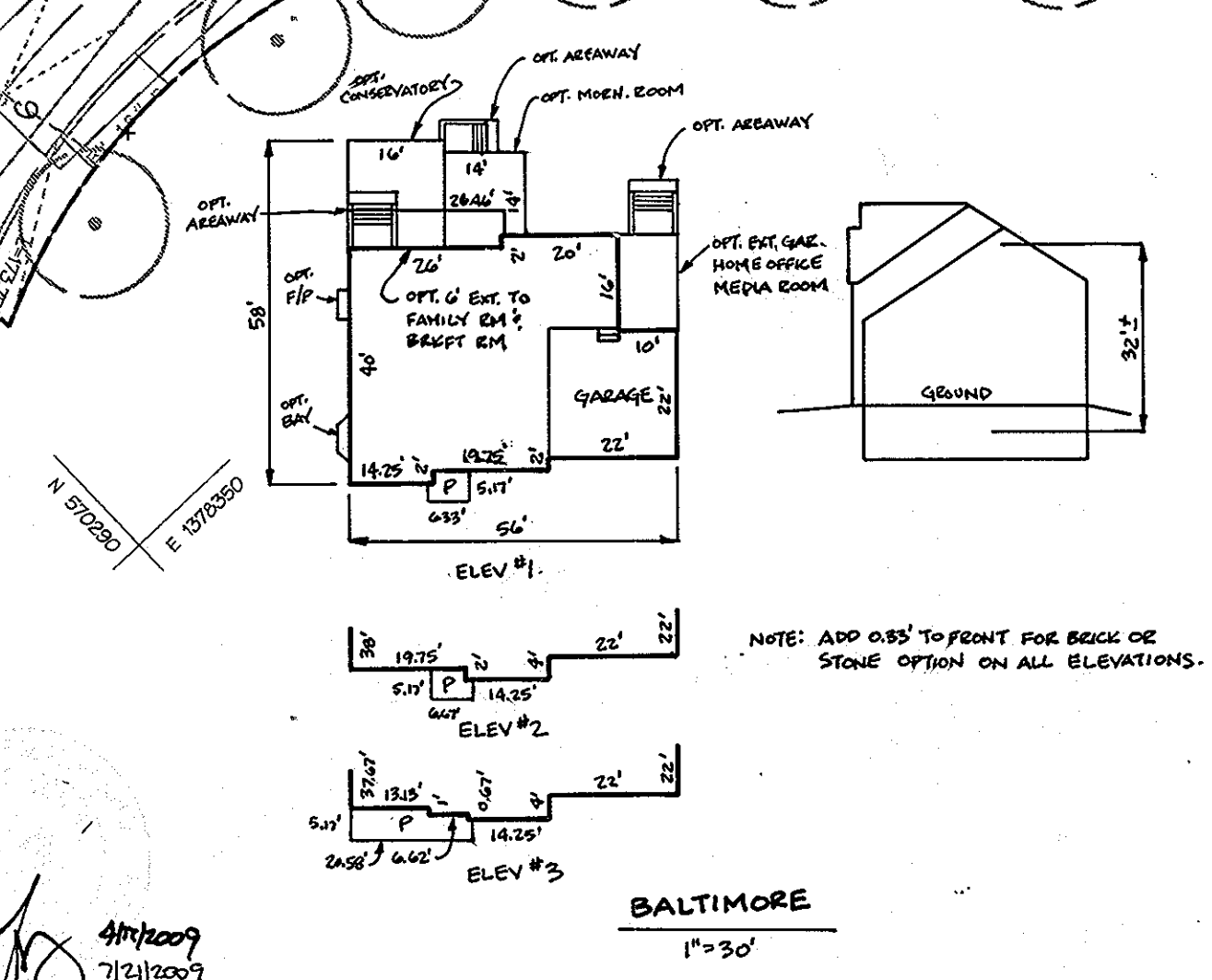
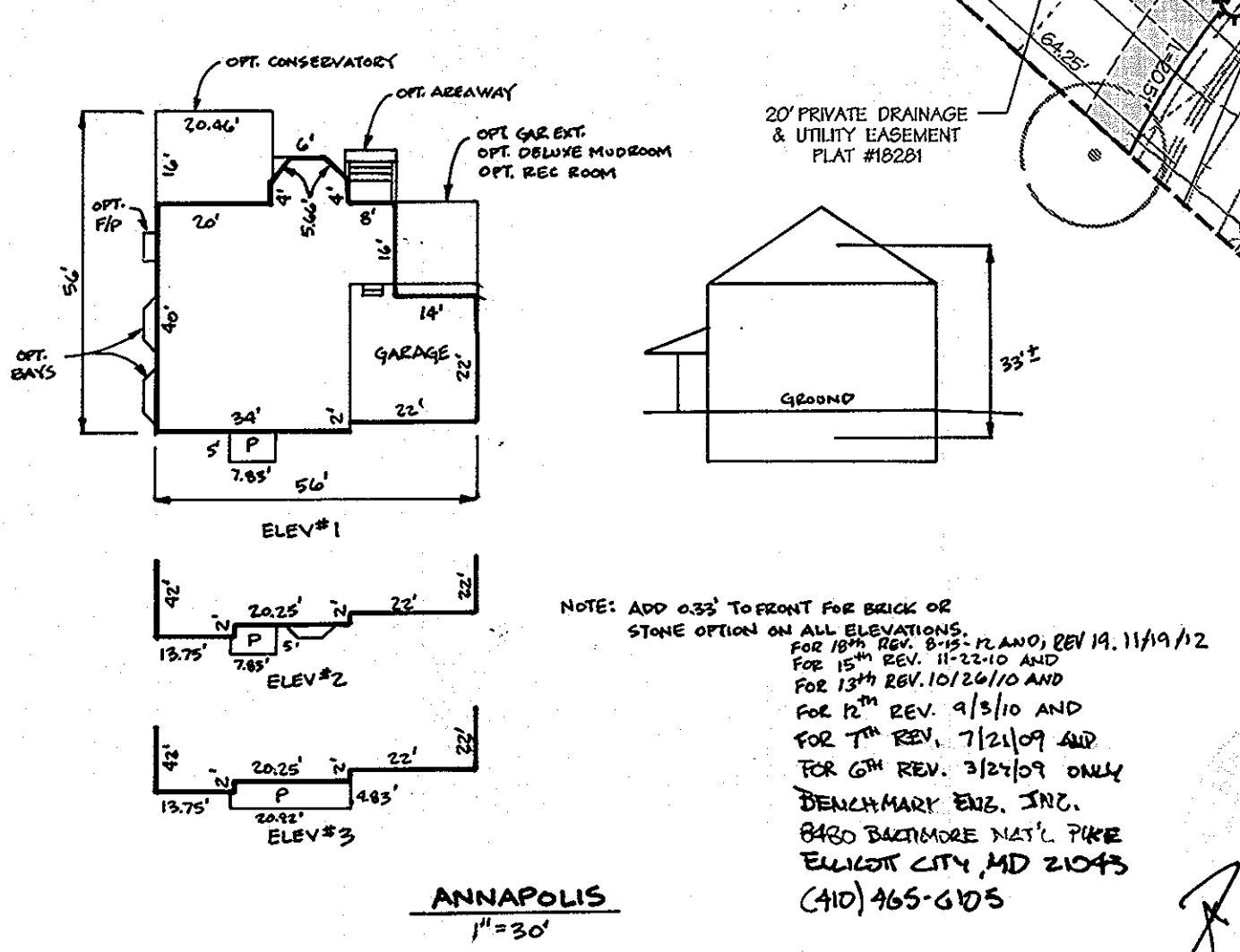
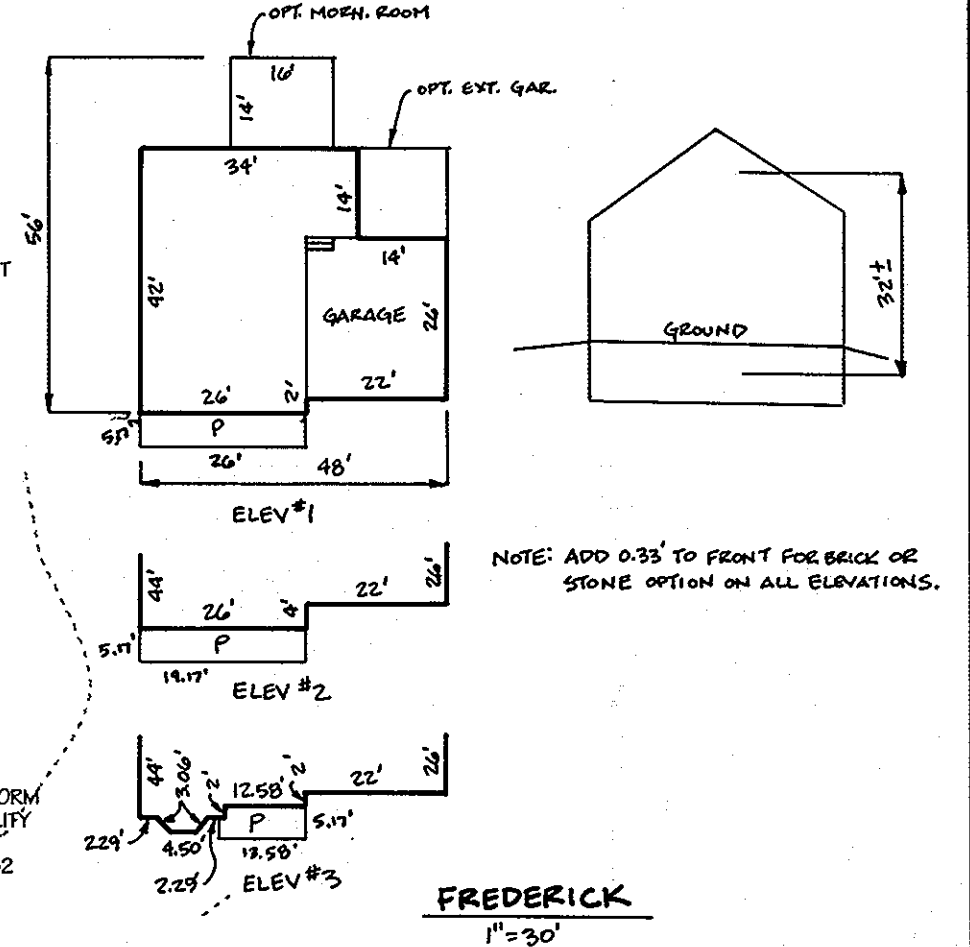
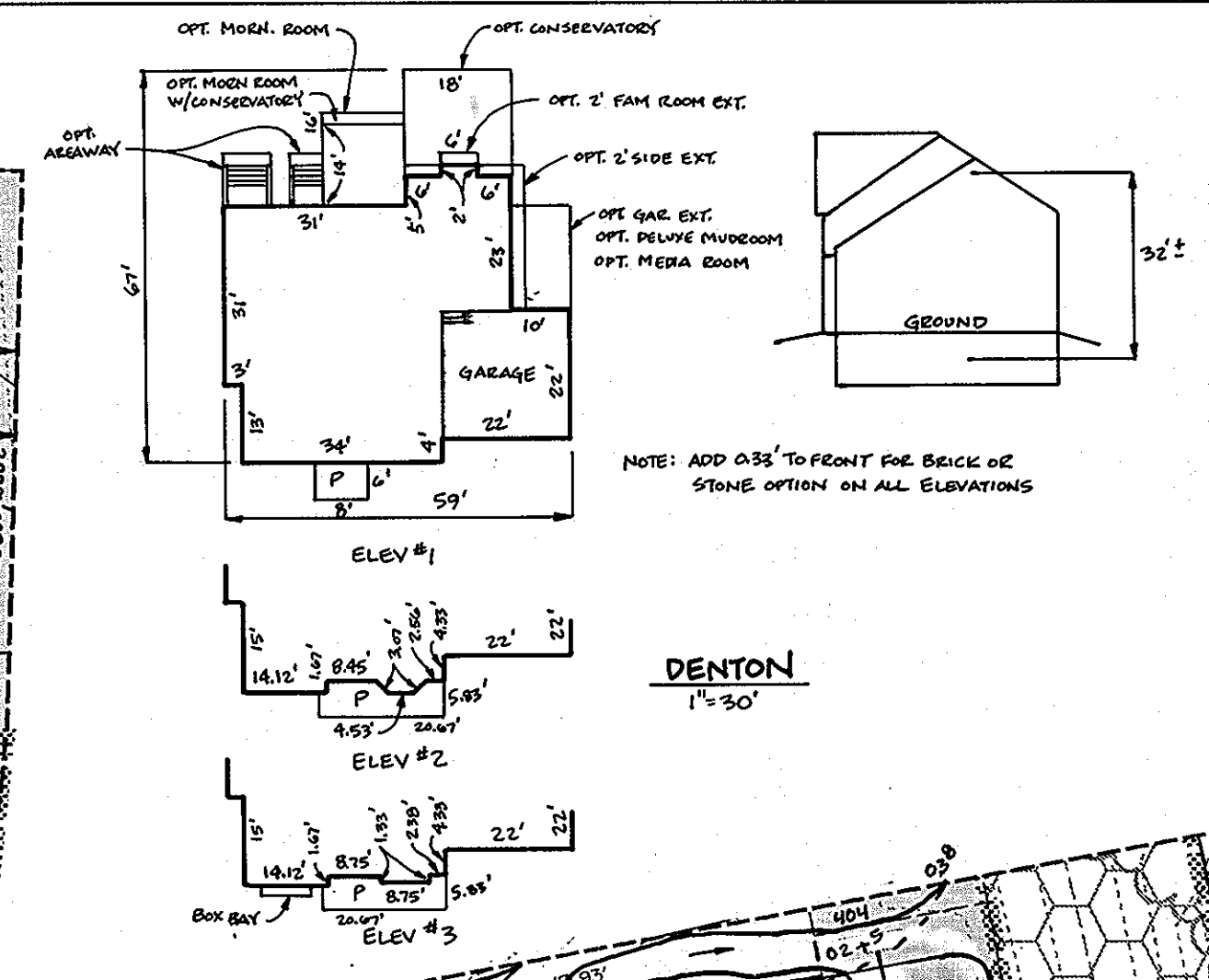
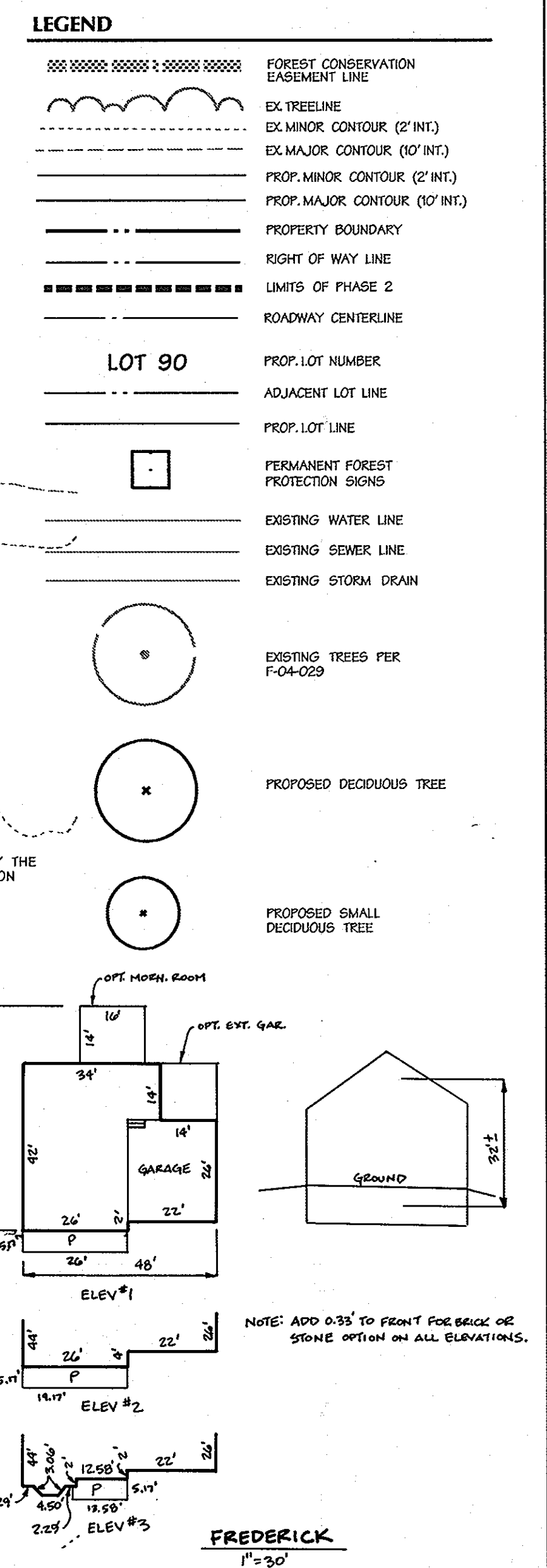
SITE DEVELOPMENT PLAN
CIDER MILL - PHASE II
 LOTS 43 THROUGH 97
 (RECORDED AS OWENS PROPERTY, PHASE II)

OWNER(S)/DEVELOPER:
 K. Hovarian Homes of Maryland
 1802 Brightseat Road
 Landover, MD 20785
 301-772-8925

SECTION NAME (PLAT)	SECTION AREA	DATE	DATE	DATE	DATE
CIDER MILL (17533-17535)	PHASE II	12/21/06	12/21/06	12/21/06	12/21/06

DMW
 Dan MacCann-Walkers, Inc.
 200 East Pennsylvania Avenue
 Towson, Maryland 21286
 (410) 296-3838
 A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

TITLE	GRADING & LANDSCAPE PLAN		
Des. By	MJP	Scale	1"=30'
Drn. By	SRG	Date	12/22/06
Chk. By	Approved	Proj. No.	01086.B2
			7 of 16



12/6/08	5	REVISE CAMBRIDGE HOUSE TO SHOW PORCH AND ELIMINATE GEN. BOX 'J' FROM LOT 105
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING		
[Signature]		1/4/09
CHIEF, DEVELOPMENT ENGINEERING DIVISION		DATE
[Signature]		1/5/09
CHIEF, DIVISION OF LAND DEVELOPMENT		DATE
[Signature]		1/10/09
DIRECTOR		DATE
10/23/08	4	GENERIC BOX CHANGES TO LOTS 72-74, 81-83, 85-87, 91, 93, 95, 97, 99. LOT 105 CHANGES PER PLAT # 10224. GENERIC BOXES 'J', 'I', 'H' HAVE BEEN ADDED TO 50' ANNAPOIS, BALTIMORE, CAMBRIDGE, DENTON, EASTON HOUSE MODELS. ADDED
Date	No.	Revision Description

SITE DEVELOPMENT PLAN
CIDER MILL - PHASE II
LOTS 43 THROUGH 97
(RECORDED AS OWENS PROPERTY, PHASE II)

OWNER(S): Patapsco Landing LLC
C/O James Keilty
P.O. Box 523
61 East Padonia Road
Timonium, MD 21093

OWNER(S)/DEVELOPER: K. Hovarian Homes of Maryland
1802 Brightseat Road
Landover, MD 20785
301-772-8325

DATE: 12-21-06

20784
Professional Engr. No.

DMW
Duff McCrean Walker, Inc.
300 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3333
Fax: 296-4705

A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

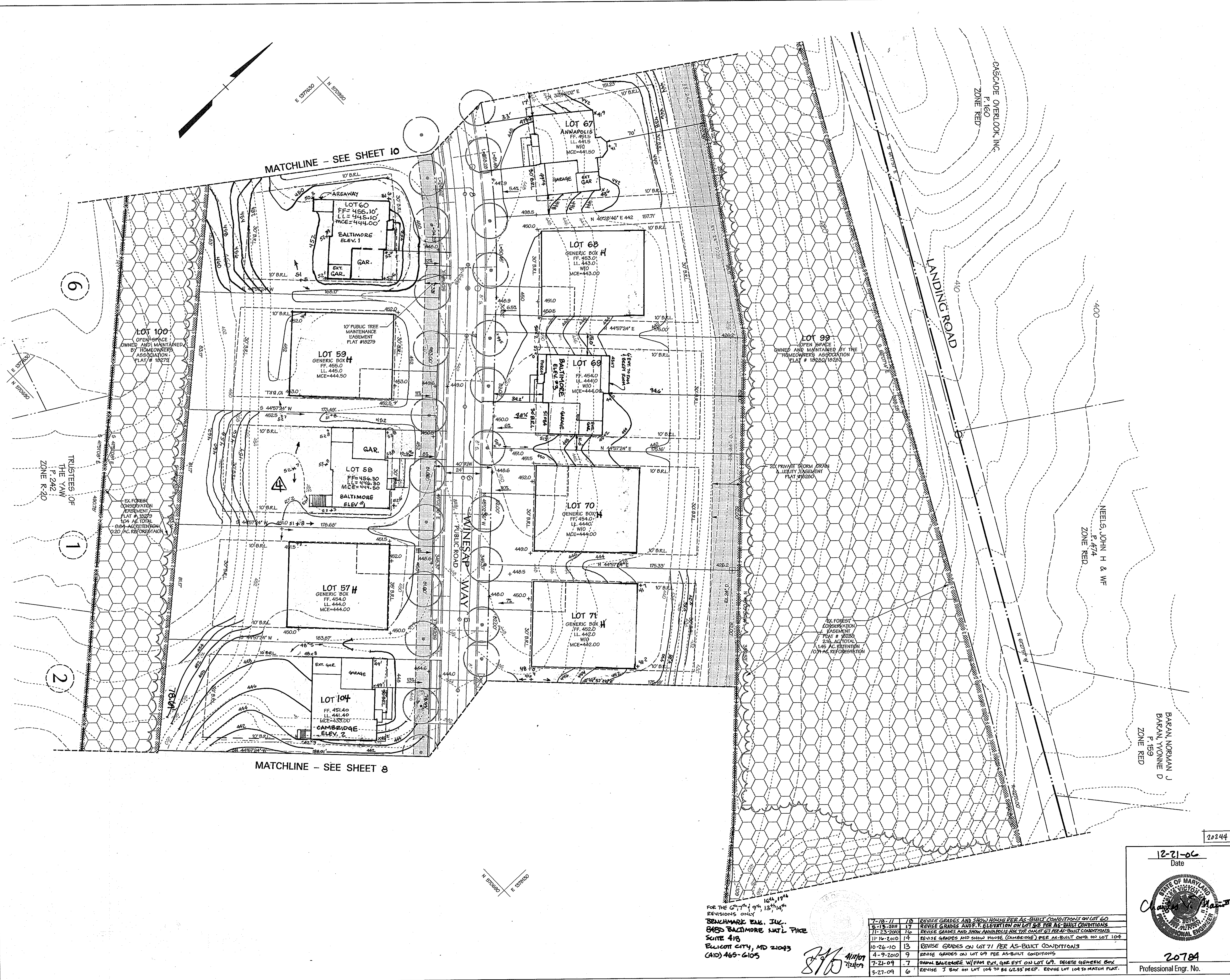
GRADING & LANDSCAPE PLAN

Des. By	MJP	Scale	1"=30'	Proj. No.	01086.B2
Dwn. By	SRG	Date	12/22/06		
Chk. By	Approved				

8 of 16

SDP-06-149

8-2-12	17	REVISE GRADES ON LOT 100
12-21-11	16	SHOW CAMBRIDGE HOUSE ROOM 1 DEL. MUDROOM ON LOT 104. REVISE GRADES.
11-22-10	15	REVISE GRADES / SITE USE ON LOT 72 PER AS-BUILT CONDITIONS
10-26-10	13	REVISE GRADES ON LOT 72 PER AS-BUILT CONDITIONS
9-3-10	12	REVISE GRADES / SITE HOUSE ON LOT 105 PER AS-BUILT CONDITIONS
7-21-09	7	ADD OPTIONAL U EXT. TO FARM RM; BRICK RM ON BALTIMORE FOOTPRINT
11-19-12	18	SHOW CAMBRIDGE GARAGE RIGHT ON LOT 77
8-15-12	18	REVISE GRADES ON LOT 78 PER AS-BUILT



LEGEND

	FOREST CONSERVATION EASEMENT LINE
	EX. TREE LINE
	EX. MINOR CONTOUR (2' INT.)
	EX. MAJOR CONTOUR (10' INT.)
	PROP. MINOR CONTOUR (2' INT.)
	PROP. MAJOR CONTOUR (10' INT.)
	PROPERTY BOUNDARY
	RIGHT OF WAY LINE
	LIMITS OF PHASE 2
	ROADWAY CENTERLINE
LOT 90	
	PROP. LOT NUMBER
	ADJACENT LOT LINE
	PROP. LOT LINE
	PERMANENT FOREST PROTECTION SIGNS
	EXISTING WATER LINE
	EXISTING SEWER LINE
	EXISTING STORM DRAIN
	EXISTING TREES PER F-04-029
	PROPOSED DECIDUOUS TREE
	PROPOSED SMALL DECIDUOUS TREE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

	DATE
	DATE
	DATE

1/14/07
1/18/07
1/10/07

SITE DEVELOPMENT PLAN
CIDER MILL - PHASE II
LOTS 43 THROUGH 97
(RECORDED AS OWENS PROPERTY, PHASE II)

OWNER(S): Patapasco Landing LLC
100 James Keedy
P.O. Box 528
61 East Padonia Road
Timonium, MD 21083

OWNER(S)/DEVELOPER: K. Howland Homes of Maryland
1802 Brightsides Road
Lanower, MD 20785
301-772-8925

Date	No.	Revision Description
10/23/08	4	GENERIC BOX CHANGE ON LOTS 57-60, 67-71, 104; LOT LINE CHANGE PER PLAT 20244; GENERIC BOXES H-2,3 ADDED TO LOT 60; ANNAPOLIS, BALTIMORE, CAMBRIDGE PERMANENT FOREST PROTECTION SIGNS ADDED

20244	D-03	1254580
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12-21-06
Date

20784
Professional Engr. No.

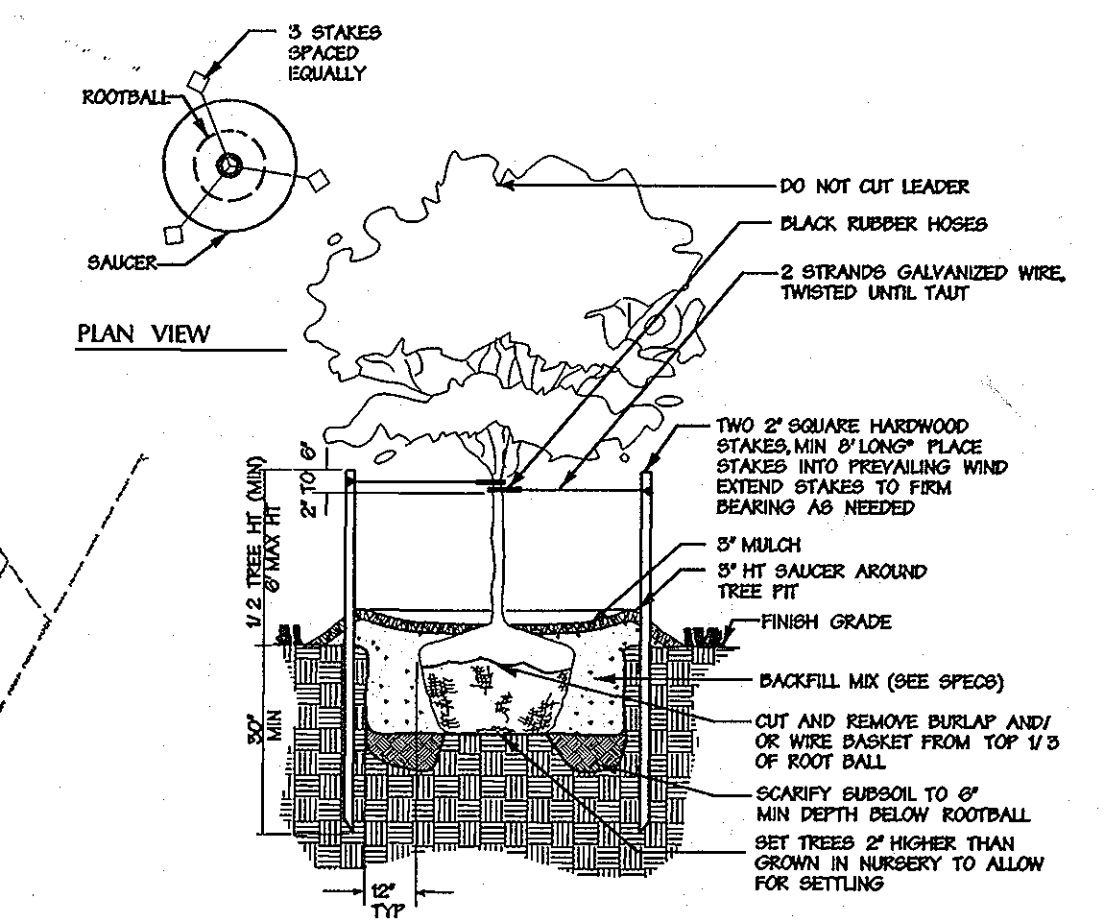
FOR THE CITY OF BALTIMORE, MD
REVISIONS ONLY
BENCHMARK B.M. JUL.
6165 BALTIMORE NAT'L FIRE
SCITE 418
BELLICOTT CITY, MD 21043
(410) 465-6105

7-18-11	18	REVISE GRADES AND SHOW HOUSE PER AS-BUILT CONDITIONS ON LOT 60
5-19-10	17	REVISE GRADES AND ELEVATION ON LOT 68 PER AS-BUILT CONDITIONS
11-23-2009	16	REVISE GRADES AND SHOW ANNAPOLIS PER AS-BUILT CONDITIONS
11-10-2010	14	REVISE GRADES AND SHOW ANNAPOLIS PER AS-BUILT CONDITIONS
4-9-2010	9	REVISE GRADES AND SHOW HOUSE (CAMBRIDGE) PER AS-BUILT COND. ON LOT 104
10-26-10	13	REVISE GRADES ON LOT 71 PER AS-BUILT CONDITIONS
4-9-2010	9	REVISE GRADES ON LOT 69 PER AS-BUILT CONDITIONS
7-21-09	7	SHOW BALTIMORE W/ ELEM EXT. GNE EXT ON LOT 69. DELETE GENERIC BOX
5-27-09	6	REVISE 3 BOX ON LOT 104 TO BE 6'53" DEEP. REVISE LOT 104 TO MATCH PLAT.

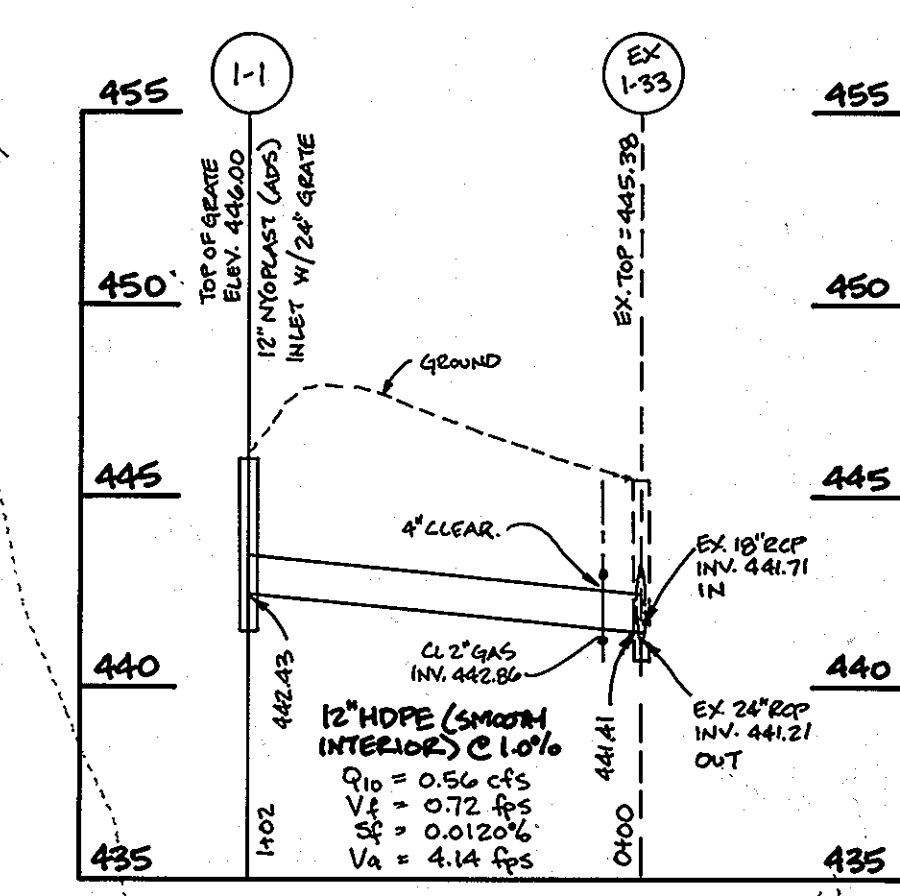
DMW	A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals
1300 East Pennsylvania Avenue Towson, Maryland 21286 (410) 296-3333 Fax 296-4705	
TITLE	GRADING & LANDSCAPE PLAN
Des. By	MJF
Scale	1"=30'
Proj. No.	01086.B2
Drn. By	SRG
Date	12/21/06
9 of 16	

**SCHEDULE A
PERIMETER LANDSCAPE EDGE**

CATEGORY	ADJACENT TO ROADWAYS			
LANDSCAPE TYPE "A" LINEAR FEET OF PERIMETER				
LANDSCAPE TYPE "B" LINEAR FEET OF PERIMETER	P 1	P 2	P 3	P 4
LANDSCAPE TYPE "C" LINEAR FEET OF PERIMETER				
CREDIT FOR EXISTING VEGETATION (DESCRIBE BELOW IF NEEDED)	0 LF.	0 LF.	0 LF.	0 LF.
CREDIT FOR BERM (DESCRIBE BELOW IF NEEDED)	N/A	N/A	N/A	N/A
NUMBER OF PLANTS REQUIRED SHADE TREES SMALL DECIDUOUS TREES (2:1 SUBSTITUTION) EVERGREEN TREES SHRUBS	1 1 0 0	1 1 2 0	0 2 0 0	0 2 0 0
NUMBER OF PLANTS PROVIDED SHADE TREES SMALL DECIDUOUS TREES (2:1 SUBSTITUTION) EVERGREEN TREES SHRUBS (10:1 SUBSTITUTION) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	1 1 0 0	1 1 0 0	0 2 0 0	0 2 0 0



Less Than 3" Cal. Tree Planting
Not To Scale



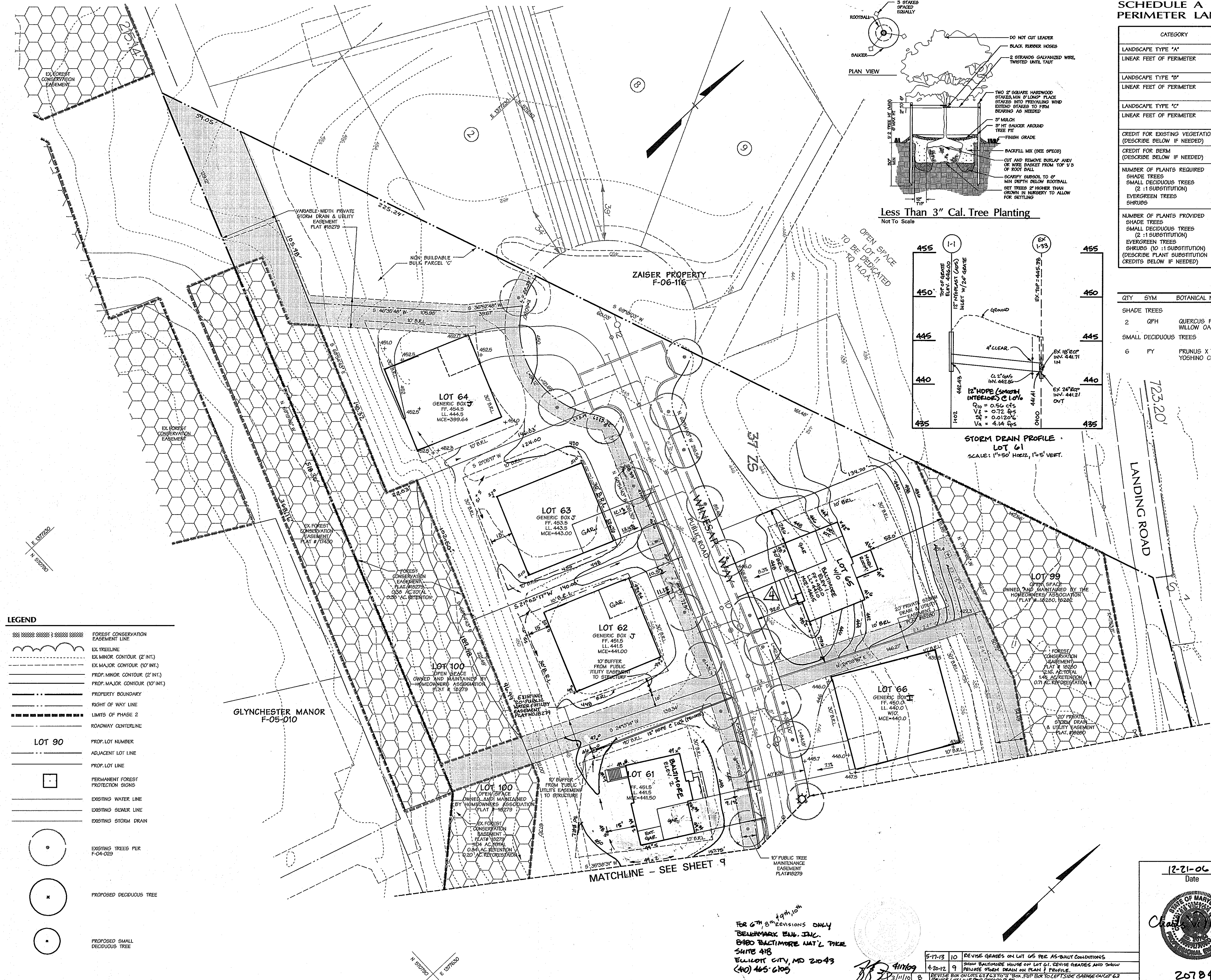
**STORM DRAIN PROFILE
LOT 61**
SCALE: 1"=50' HORIZ, 1"=5' VERT.

Perimeter Plant List

QTY	SYM	BOTANICAL NAME/COMMON NAME	SIZE	REMARKS
SHADE TREES				
2	QPH	QUERCUS PHELLOS WILLOW OAK	2 1/2" - 3" CAL. 12'-14' HT	B & B FULL HEAD
SMALL DECIDUOUS TREES				
6	PY	PRUNUS X YEDOENSIS YOSHINO CHERRY	6'-8' HT.	B & B

General Planting Notes

- All plant material to meet A.A.N. Standards.
- Landscape Contractor to follow landscape specification guidelines for Baltimore Washington Metro area approved by LCMW.
- No substitutions to be made without consent of Landscape Architect or Owner.
- All beds to be topped with three inches of hardwood mulch.
- Landscape Contractor to verify location of utilities with Owner before planting.
- Landscape Architect/Owner shall select, verify and/or approve all plant material. At Owner's discretion, specimen and other plant material will be selected.
- Landscape Contractor shall coordinate plant bed filling operations and plant material installation with General Contractor and Utilities Contractor. At the time of final inspection with acceptance, all electric, water, drainage, and fountain utilities, as well as all plant materials, shall remain undamaged. Likewise, Landscape Contractor and Utilities Contractor shall coordinate efforts to ensure that surface utilities are at the proper elevation relative to final grades.
- Contractor shall notify Miss Utility 72 hours prior to construction.
- The owner, tenant, and/or their agents shall be responsible for maintenance of the required landscaping, including both plant materials and berms, fences and walls. All plant materials shall be maintained in good growing condition, and when necessary, replaced with new materials to ensure continued compliance with applicable regulations. All other required landscaping shall be permanently maintained in good condition, and when necessary, repaired or replaced.
- This plan has been prepared in accordance with the provisions Section 16.124 of the Ho.Co.Co.Ord. and the Ho.Co.Landscape Manual. Financial surety in the amount of \$15,000.00 for the required landscaping (2 shade trees and 6 flowering trees) will be posted with the grading permit application.
- At the time of installation, all shrubs and other plantings herewith listed and approved for this site, shall be of proper height requirements in accordance with the Howard County Landscape Manual. In addition, no substitutions or relocation of required plantings as shown on this plan may be made without prior approval from the Department of Planning and Zoning. Any deviation from this approved Landscape Plan may result in denial or delay in the release of landscape surety until such time as all required materials are planted and/or revisions are made to applicable plans and certificates.



LEGEND

	FOREST CONSERVATION EASEMENT LINE
	EX TREE LINE
	EX MINOR CONTOUR (2' INT.)
	EX MAJOR CONTOUR (10' INT.)
	PROP. MINOR CONTOUR (2' INT.)
	PROP. MAJOR CONTOUR (10' INT.)
	PROPERTY BOUNDARY
	RIGHT OF WAY LINE
	LIMITS OF PHASE 2
	ROADWAY CENTERLINE
	PROP. LOT NUMBER
	ADJACENT LOT LINE
	PROP. LOT LINE
	PERMANENT FOREST PROTECTION SIGNS
	EXISTING WATER LINE
	EXISTING SEWER LINE
	EXISTING STORM DRAIN
	EXISTING TREES PER F-04-029
	PROPOSED DECIDUOUS TREE
	PROPOSED SMALL DECIDUOUS TREE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

	1/4/07
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
	1/8/07
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE
	1/10/07
DIRECTOR	DATE

**SITE DEVELOPMENT PLAN
CIDER MILL - PHASE II
LOTS 43 THROUGH 97
(RECORDED AS OWENS PROPERTY, PHASE II)**

OWNER(S): Patapoco Landing LLC
610 James Keilty
P.O. Box 528
61 East Padonia Road
Timonium, MD 21093

OWNER(S)/DEVELOPER: K. Hovarian Homes of Maryland
1822 Brightside Road
Landover, MD 20785
301-772-8925

DATE: 12-21-06	DATE: 12-21-06
DATE: 12-21-06	DATE: 12-21-06
DATE: 12-21-06	DATE: 12-21-06
DATE: 12-21-06	DATE: 12-21-06

DMW
Duff-McCune-Walker, Inc.
300 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3358
Fax 296-4705

A Team of Land Planners,
Landscape Architects,
Engineers, Surveyors &
Environmental Professionals

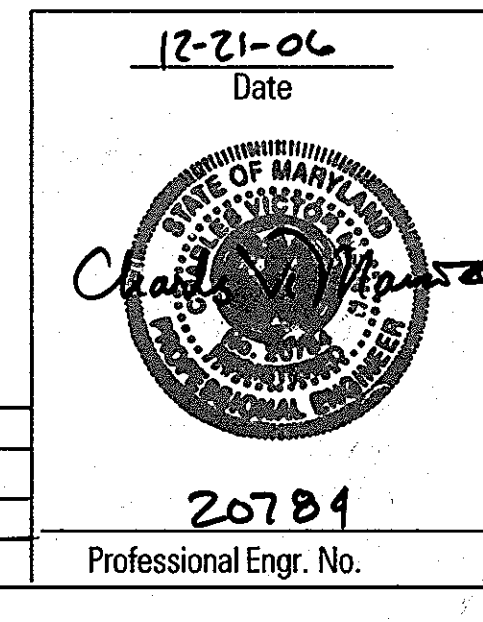
TITLE: GRADING & LANDSCAPE PLAN

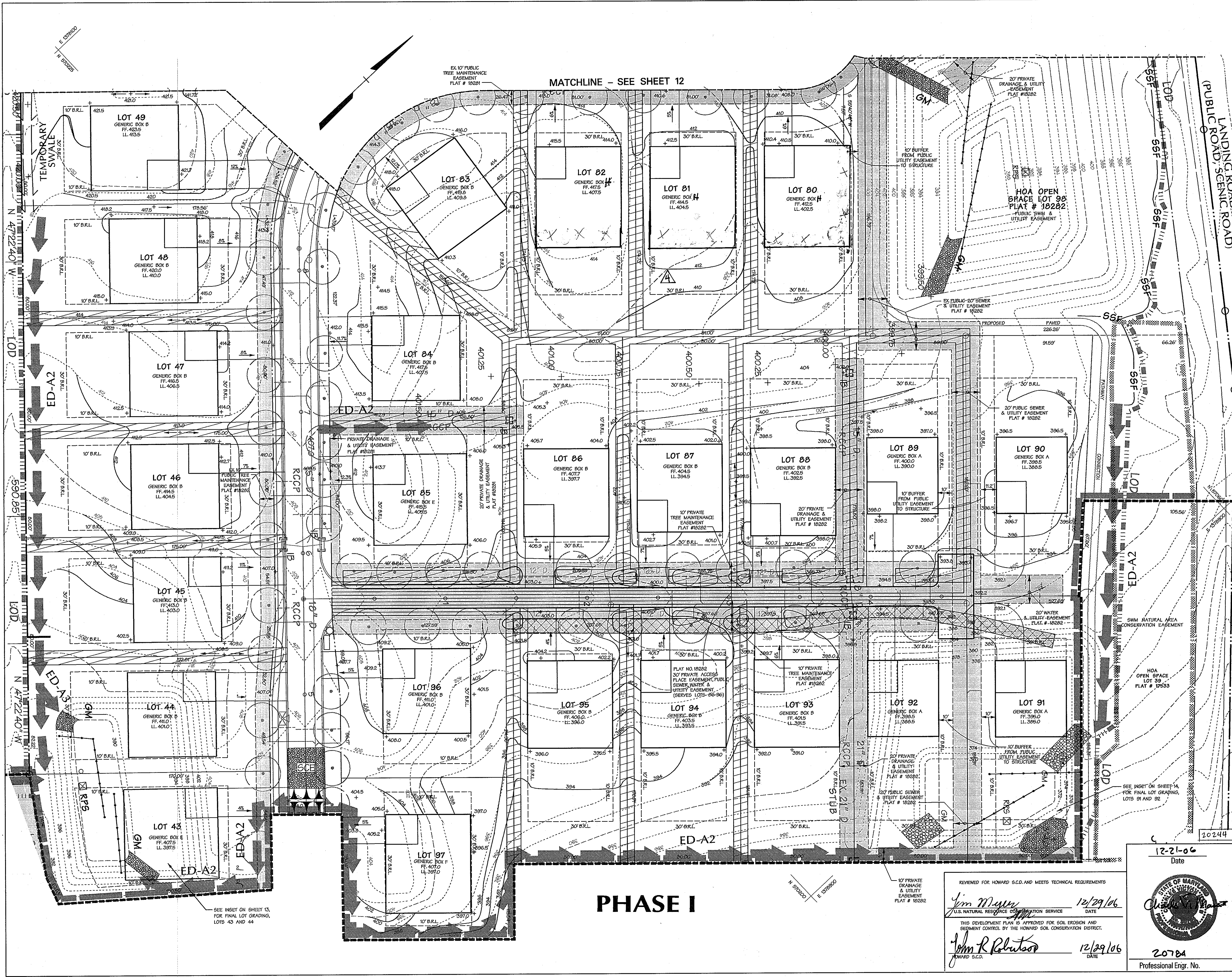
Des. By: MJP	Scale: 1"=30'	Proj. No.: 01086.B2
Dwn. By: SRG	Date: 12/22/06	
Chk. By:	Approved:	10 of 16

SDP-06-149

FOR 6TH REVISIONS ONLY
BEAUMARK BLD. INC.
8780 BALTIMORE AVE. 2ND FLOOR
SUITE 418
ELLICOTT CITY, MD 21043
(410) 465-6105

5-17-13	10	REVISE GRADES ON LOT 65 PER AS-BUILT CONDITIONS
4-24-12	9	SHOW BALTIMORE HOUSE ON LOT 61. REVISE GRADES AND SHOW PRIVATE STORM DRAIN ON PLAN & PROFILE.
3-11-10	8	REVISE BOX CULVERTS TO 3' BOX. PUT BOX TO LEFT SIDE GARAGE CULVERT 63. REVISE LOT LINE FOR RECORD PLAT.
3-27-09	6	REVISE 3' BOX ON LOTS 61 & 64.





LEGEND

- STREAM CENTERLINE
- FOREST CONSERVATION EASEMENT LINE
- REFORESTATION
- FOREST CLEARING
- EX TREELINE
- EX MINOR CONTOUR (2' INT.)
- EX MAJOR CONTOUR (10' INT.)
- PROP. MINOR CONTOUR (2' INT.)
- PROP. MAJOR CONTOUR (10' INT.)
- AREA OF INTERPOLATED CONTOURS
- EX STRUCTURE
- PROPERTY BOUNDARY
- RIGHT OF WAY LINE
- LIMIT OF DISTURBANCE
- NON-WOODY VEGETATION ZONE
- LIMITS OF PHASE 2
- ROADWAY CENTERLINE
- LOT 90
- PROP. LOT NUMBER
- ADJACENT LOT LINE
- PROP. LOT LINE
- EX EROSION CONTROL MATTING
- PROP. EROSION CONTROL MATTING
- EXISTING EARTH DIKE

NOTE:
ALL SEDIMENT CONTROLS ESTABLISHED UNDER F-05-121 SHALL REMAIN THROUGHOUT THE DURATION OF ALL CONSTRUCTION UNDER THIS PLAN.

DEVELOPERS CERTIFICATE:
I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I/WE/OUR PERSONS OWE/WE OWE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT

Cal Lester 22 DEC 2006
SIGNATURE OF DEVELOPER DATE
AL LESTER

ENGINEERS CERTIFICATE:
I/WE CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Charles V. Main 12-21-06
SIGNATURE OF ENGINEER DATE
Charles V. Main 20784

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
Charles V. Main 1/4/07
CHIEF, DEVELOPING ENGINEERING DIVISION DATE
Cindy Hamant 1/8/07
CHIEF, DIVISION OF LAND DEVELOPMENT DATE
Mark H. Coughlin 1/10/07
DIRECTOR DATE

Date	No.	Revision Description
10/23/06	4	GENERIC BOX CHANGES LOTS 80-81, LOT LINE CHANGE PER PLAT # 18282, GENERIC BOXES # 1, 2, 3 ADDED TO S.D.P. INVAIOLUS, BALTIMORE, CAMBRIDGE, DENTON, EASTON BRIDGE, BRIDGES ADDED.

**SITE DEVELOPMENT PLAN
CIDER MILL - PHASE II
LOTS 43 THROUGH 97
(RECORDED AS OWENS PROPERTY, PHASE II)**

OWNER(S): Patapasco Land LLC
C/O James Keating
P.O. Box 528
61 East Padonia Road
Timonium, MD 21093

OWNER(S)/DEVELOPER: K. Hovarian Homes of Maryland
1802 Briggett Road
Lundown, MD 20785
301-772-8925

SECTION NAME	PLAT	SECTION/AREA	DATE	DATE	DATE	DATE	DATE
CIDER MILL	17533-17535	PHASE II	12/21/06	12/21/06	12/21/06	12/21/06	12/21/06

DMW
Duff McCona-Walker, Inc.
200 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3323
Fax 296-4706

A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS

Jim Meyer 12/29/06
U.S. NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John R. Roberts 12/29/06
HOWARD S.C.D. DATE

12-21-06
Date

DMW
Professional Engr. No. 20784

**TITLE
SEDIMENT AND EROSION CONTROL PLAN**

Des. By	MJP	Scale	1"=30'	Proj. No.	01086.B2
Drn. By	GRD	Date	12/22/06	11 of 16	
Chk. By	Approved				



LEGEND

- STREAM CENTERLINE
- FOREST CONSERVATION EASEMENT LINE
- REFORESTATION
- FOREST CLEARING
- EX. TREE LINE
- EX. MINOR CONTOUR (2' INT.)
- EX. MAJOR CONTOUR (10' INT.)
- PROP. MINOR CONTOUR (2' INT.)
- PROP. MAJOR CONTOUR (10' INT.)
- AREA OF INTERPOLATED CONTOURS
- EX. STRUCTURE
- PROPERTY BOUNDARY
- RIGHT OF WAY LINE
- LIMIT OF DISTURBANCE
- NON-WOODY VEGETATION ZONE
- LIMITS OF PHASE 2
- ROADWAY CENTERLINE
- LOT 90
- PROP. LOT NUMBER
- ADJACENT LOT LINE
- PROP. LOT LINE
- EX. EROSION CONTROL MATTING
- PROP. EROSION CONTROL MATTING
- EXISTING EARTH DIKE

NOTE:
ALL SEDIMENT CONTROLS ESTABLISHED UNDER F-05-121 SHALL REMAIN THROUGHOUT THE DURATION OF ALL CONSTRUCTION UNDER THIS PLAN.

12-5-08	5	REMOVE CAMBRIDGE HOUSE TO SHOW PORCH AND ELIMINATE GEN. BOX 'J' FROM LOT 105
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING		
<i>[Signature]</i>	1/14/07	DATE
CHIEF, DEVELOPMENT ENGINEERING DIVISION	gm	
<i>[Signature]</i>	1/16/07	DATE
CHIEF, DIVISION OF LAND DEVELOPMENT	JH	
<i>[Signature]</i>	1/16/07	DATE
DIRECTOR		

10/23/06	4	GENERIC BOX CHANGE ON LOTS 72-74, 75, 76, 101-103, 105-107, LOT LINE CHANGE FOR LOT 105 AND 106, GENERIC BOXES H, J, J ADDED TO 50', ANNAPOLIS RD., CAMBRIDGE, DENIAL, EASTRIDGE HOUSE MODEL
Date	No.	Revision Description
		APPROVED

SITE DEVELOPMENT PLAN
CIDER MILL - PHASE II
LOTS 43 THROUGH 97
(RECORDED AS OWENS PROPERTY, PHASE II)

OWNER(S):
Faranaco Landing LLC
C/O James Keedy
P.O. Box 528
61 East Padonia Road
Timonium, MD 21093

OWNER(S)/DEVELOPER:
K. Hovarian Homes of Maryland
1802 Brightest Road
Landover, MD 20785
301-772-8925

SECTION NAME	FLAT	SECTION/AREA	DATE	DATE	DATE	DATE
CIDER MILL	17533-17535	PHASE II	12/21/06	12/21/06	12/21/06	12/21/06
DATE	DATE	DATE	DATE	DATE	DATE	DATE
12/21/06	12/21/06	12/21/06	12/21/06	12/21/06	12/21/06	12/21/06

DEVELOPERS CERTIFICATE:
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature]
AL LESTER
DATE: 22 Dec 2006

ENGINEERS CERTIFICATE:
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature]
Charles V. Main
DATE: 12-21-06

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS

[Signature]
Jim M...
DATE: 12/29/06

[Signature]
John P. ...
DATE: 12/29/06

12-21-06
Date

20784
Professional Engr. No.

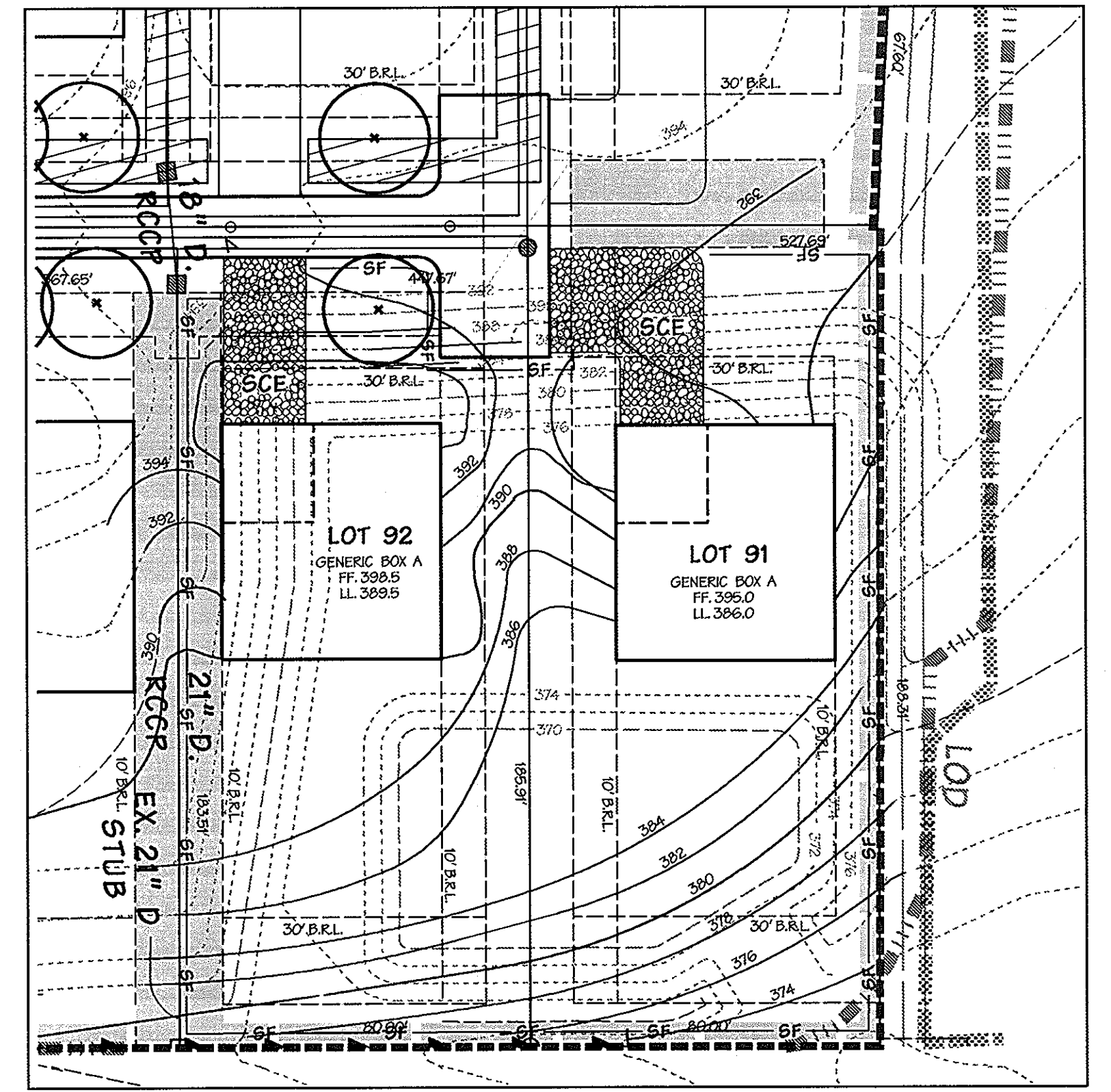
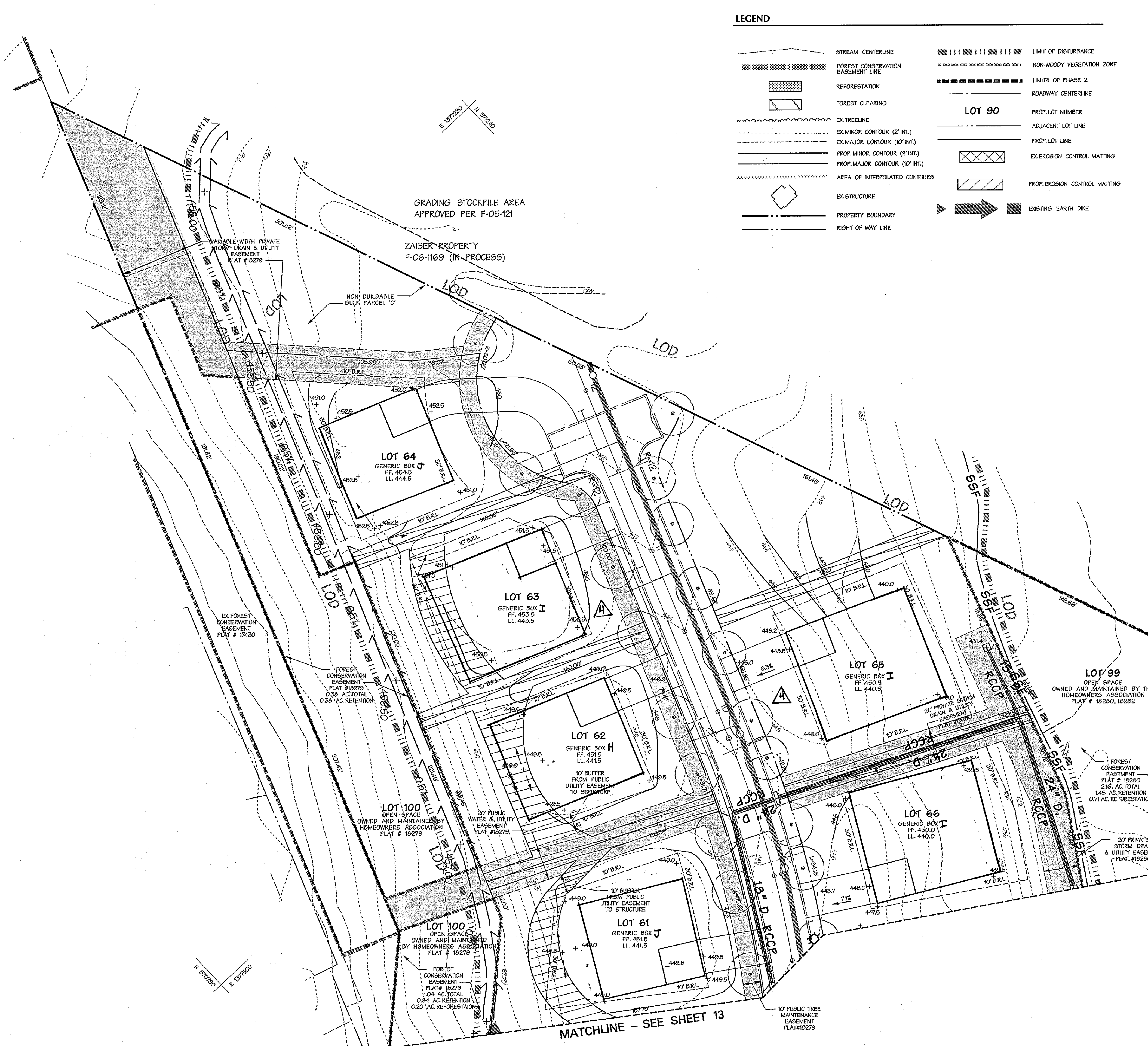
DMW
Darrin McCann-Walkers, Inc.
300 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3333
Fax 296-4706

A Team of Land Planners,
Landscape Architects,
Engineers, Surveyors &
Environmental Professionals

SEDIMENT AND EROSION CONTROL PLAN

Des. By	MJP	Scale	1"=30'	Proj. No.	01086.B2
Dm. By	GMO	Date	12/21/06		
Chk. By	Approved				12 of 16

SDP-06-149



FINAL GRADING LOTS 91 AND 92
SCALE: 1"=30'

NOTE:
ALL SEDIMENT CONTROLS ESTABLISHED UNDER F-05-121 SHALL REMAIN THROUGHOUT THE DURATION OF ALL CONSTRUCTION UNDER THIS PLAN.

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING	
<i>[Signature]</i>	11/4/07
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>[Signature]</i>	1/8/02
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE
<i>[Signature]</i>	1/10/02
DIRECTOR	DATE
10/23/08	4
GENERIC BOX CHANGE ON LOTS 61-66; LOT 100 ADDED TO 3 DP; ANNAPOLIS, BALTIMORE, CAMBRIDGE, DENNEN, EASTON, HANOVER, HARBERS, HOBBS	
Date	No.
Revision Description	

SITE DEVELOPMENT PLAN			
CIDER MILL - PHASE II			
LOTS 43 THROUGH 97			
(RECORDED AS OWENS PROPERTY, PHASE II)			
OWNER(S): Fatappoo Landing LLC C/O James Keelty P.O. Box 528 61 East Padonia Road Timonium, MD 21083		OWNER(S)/DEVELOPER: K. Hovarian Homes of Maryland 1802 Brightseat Road Landover, MD 20785 301-772-8325	
DIVISION NAME (PLAT)	SECTION/AREA	DATE	DATE
CIDER MILL (7533-17535)	PHASE II	12/29/06	12/29/06
DATE OF PREP	DATE OF ISSUE	DATE OF REVIEW	DATE OF REVIEW
12/27/06	01/16/07	R20	1
20244			60101
WATER CODE	D-03	SEWER CODE	1254550

DEVELOPERS CERTIFICATE:
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature]
AL LESTER
DATE: 22 DEC 2006

ENGINEERS CERTIFICATE:
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature]
Charles V. Mann
DATE: 12-21-06

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS

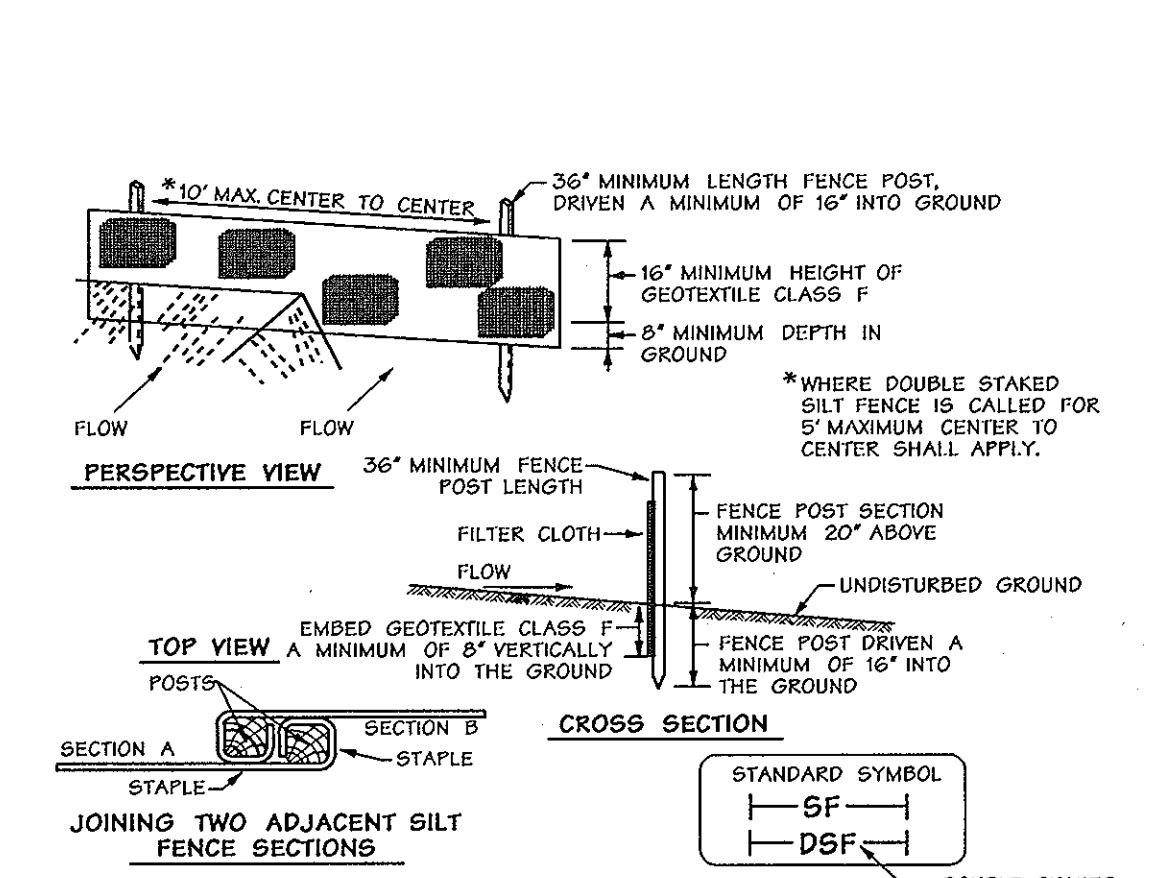
[Signature] 12/29/06
J.S. NATURAL RESOURCE CONSERVATION SERVICE DATE

[Signature] 12/29/06
John R. Robertson DATE
HOWARD S.C.D.

12-21-06
Date

20784
Professional Engr. No.

DMW Duff-McCune-Walker, Inc. 200 East Pennsylvania Avenue Towson, Maryland 21286 (410) 296-3333 Fax 296-4706				A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals			
TITLE SEDIMENT AND EROSION CONTROL PLAN							
Des. By	MJP	Scale	1"=30'	Proj. No.	01086.B2		
Drn. By	GMO	Date	12/22/06	14 of 16			
Chk. By		Approved					

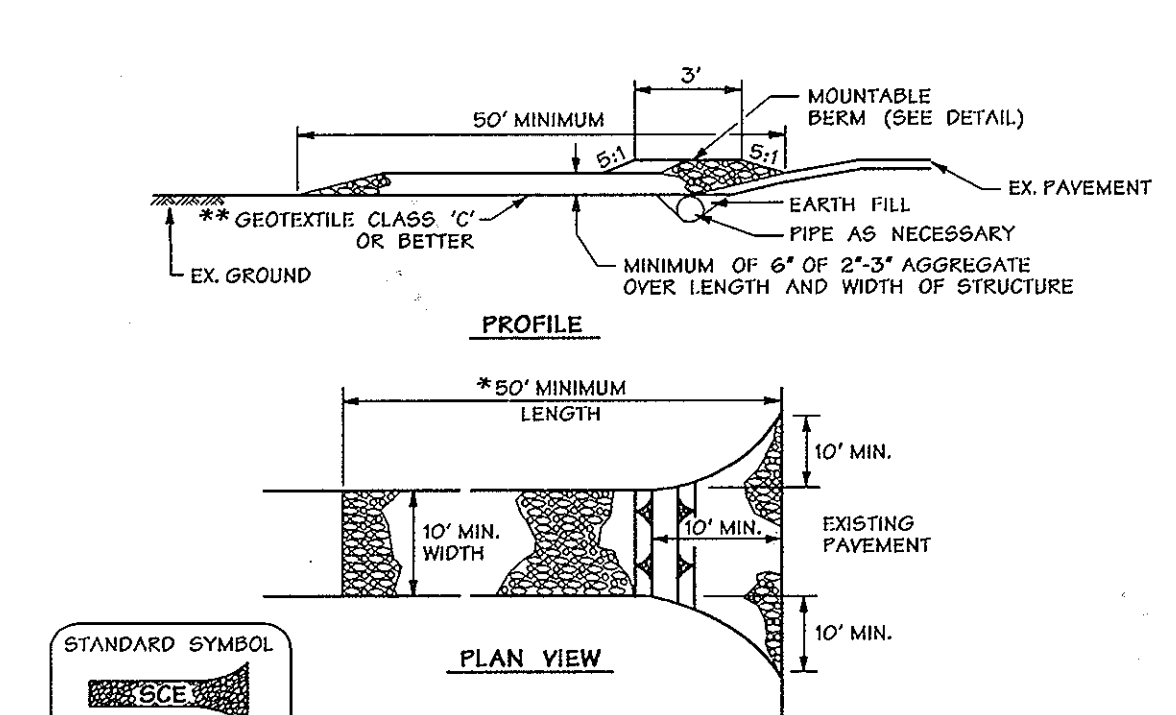


CONSTRUCTION SPECIFICATIONS

- FENCE POSTS SHALL BE A MINIMUM OF 36" LONG DRIVEN 16" MINIMUM INTO THE GROUND. WOOD POSTS SHALL BE 1 1/2" x 1 1/2" SQUARE (MINIMUM CUT, OR 1 1/2" DIAMETER (MINIMUM) ROUND AND SHALL BE OF SOUND QUALITY HARDWOOD. STEEL POSTS WILL BE STANDARD 1 OR U SECTION WEIGHING NOT LESS THAN 100 POUND PER LINEAL FOOT.
- GEOTEXTILE SHALL BE FASTENED SECURELY TO EACH FENCE POST WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F:
 - TENSILE STRENGTH 50 LBS./IN. (MIN.) TEST MSMT 509
 - TENSILE MODULUS 20 LBS./IN. (MIN.) TEST MSMT 509
 - FLOW RATE 0.3 GAL./FT./MIN. (MAX.) TEST MSMT 322
 - FILTERING EFFICIENCY 75% (MIN.) TEST MSMT 322
- WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.
- SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHED 50% OF THE FABRIC HEIGHT.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE E - 15 - 3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Silt Fence Not To Scale

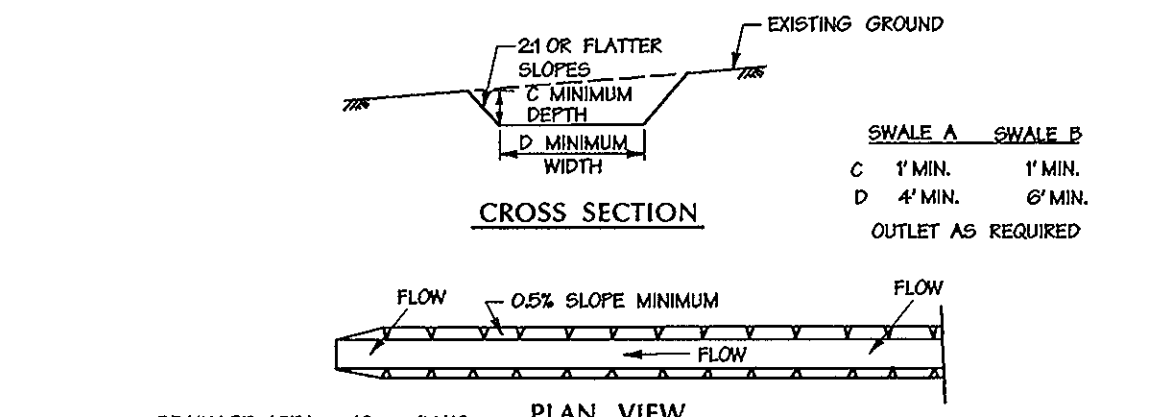


CONSTRUCTION SPECIFICATIONS

- LENGTH - MINIMUM OF 50' (*50' FOR SINGLE RESIDENCE LOT).
- WIDTH - 10" MINIMUM SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
- GEOTEXTILE FABRIC CLASS C (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO PLACING THE PLAN APPROVAL AUTHORITY MAY NOT REQUIRE SINGLE FAMILY RESIDENCES TO USE GEOTEXTILE.
- STONE - CRUSHED AGGREGATE (2" TO 3") OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6" DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE.
- SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE ENTRANCE CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 6" OF STONE OVER THE PIPE. PIPE HAS TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE SIZE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MINIMUM WILL BE REQUIRED.
- LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE E - 17 - 3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Stabilized Construction Entrance Not To Scale



CONSTRUCTION SPECIFICATIONS

- SEED AND COVER WITH STRAW MULCH.
- SEED AND COVER WITH EROSION CONTROL MATTING OR LINE WITH 500.
- 4" x 4" STONE OR RECYCLED CONCRETE EQUIVALENT FREGGED INTO SOIL IN A MINIMUM 2" LAYER.

1. ALL TEMPORARY SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET. SPOT ELEVATIONS MAY BE NECESSARY FOR GRADES LESS THAN 1%.

2. RUNOFF DIVERTED FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.

3. RUNOFF DIVERTED FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT A NON-EROSIVE VELOCITY.

4. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBSTRUCTIVE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.

5. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE GRADE AND CROSS SECTION AS REQUIRED TO MEET DESIGN CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPED NORMAL FLOW.

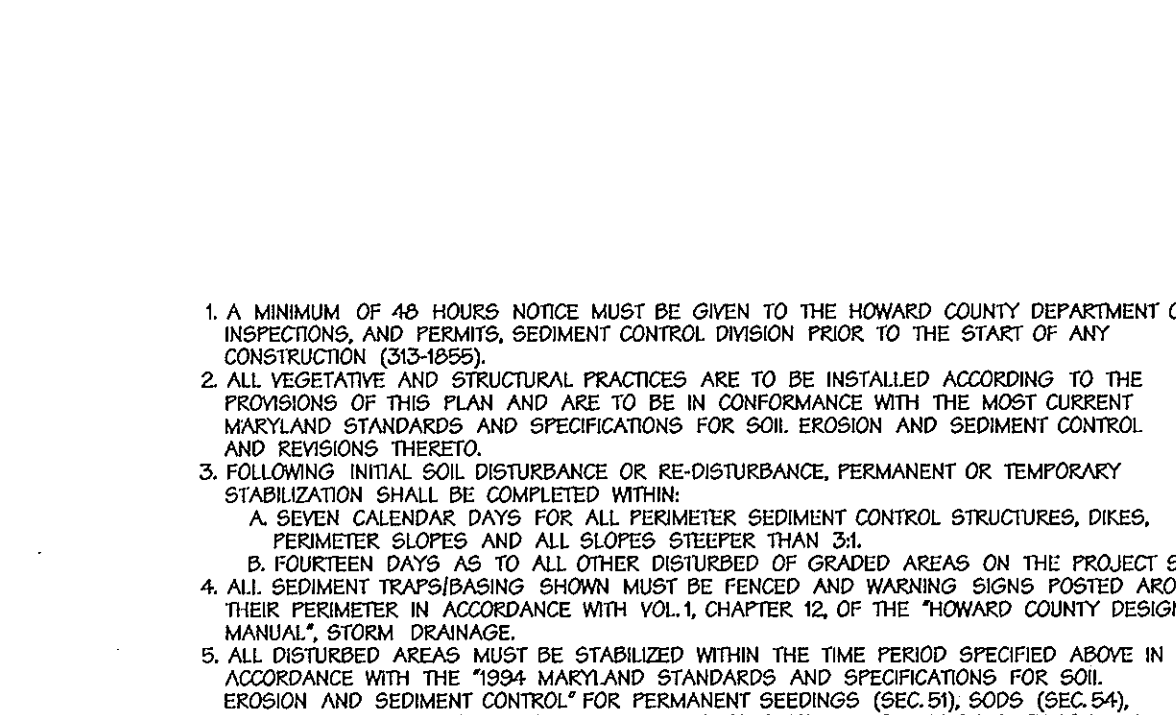
6. FILL, IF NECESSARY, SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.

7. ALL EARTH REMOVAL AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE.

8. INSPECTION AND MAINTENANCE MUST BE PROVIDED PERIODICALLY AND AFTER EACH RAIN EVENT.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE A - 2 - 4 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Temporary Swale Not To Scale



CONSTRUCTION SPECIFICATIONS

- FENCING SHALL BE 42 INCHES IN HEIGHT AND CONSTRUCTED ACCORDANCE WITH THE LATEST MARYLAND STATE HIGHWAY (SHA) DETAILS FOR CHAIN LINK FENCING. THE SPECIFICATION FOR A 6 FEET SHALL BE USED SUBSTITUTING 42" FABRIC AND OF LENGTH POSTS.
- THE POSTS DO NOT NEED TO BE SET IN CONCRETE.
- CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES. THE LOWER TENSION WIRE, DRACE AND TRUSS RODS, DRIVE ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE. THE CHAIN LINK FENCING SHALL BE 50 (5) GAUGE OR HEAVIER.
- FILTER CLOTH SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACING EVERY 24" AT THE TOP AND MID SECTION.
- FILTER CLOTH SHALL BE EMBEDDED A MINIMUM OF 6" INTO THE GROUND.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FASTENED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT BUILDUP REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE, OR WHEN SILT REACHED 50% OF FENCE HEIGHT.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE H - 20 - 3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Super Silt Fence Not To Scale

21.0 STANDARD AND SPECIFICATIONS FOR TOPSOIL

DEFINITION
Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

PURPOSE
To provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH materials, toxic to plants, and/or unacceptable soil gradation.

CONDITIONS WHERE PRACTICE APPLIES

- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 - The original soil to be vegetated contains material toxic to plant growth.
 - The soil is so acidic that treatment with lime is not feasible.
- For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plan.

CONSTRUCTION AND MATERIAL SPECIFICATIONS

- Topsoil salvages from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experiment Station.
- Topsoil Specifications - Soil to be used as topsoil must meet the following:
 - Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 1/2" in diameter.
 - Topsoil must be free of plants or plant parts such as bermuda grass, quackgrass, Johnsongrass, nutgrass, poison ivy, thistle, or others as specified.
 - Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.
- For sites having disturbed areas under 5 acres:
 - On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:
 - pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.
 - Organic content of topsoil shall be not less than 1.5 percent by weight.
 - Topsoil having soluble salt content greater than 500 parts per million shall not be used.
 - No soil or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phytotoxic materials.
 - Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil.
- Vegetate topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION - LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS - APPLY 600 LBS. PER ACRE 10-10-40 FERTILIZER (4 LBS./1000 SQ. FT.)

SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 15 THRU OCTOBER 15, SEED WITH 60 LBS./ACRE (4 LBS./1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE FOR THE PERIOD MAY 1 THRU JULY 31 SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS./1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY OPTION (1) - 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE SOIL (3) - SEED WITH 60 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING - APPLY 1 1/2 TO 2 TONS PER ACRE (70 - 80 LBS./1000 SQ. FT.) OF UNROTTED WEED FREE SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 200 GALLON PER ACRE (5 GALLON/SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 3 FEET OR HIGHER, USE 340 GALLON PER ACRE (8 GALLON/SQ. FT.) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE G - 23 - 2 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

21.0 STANDARD AND SPECIFICATIONS FOR TOPSOIL

Sequence of Operations

- Obtain grading permit, Notify Maryland Department of Environmental Nontidal Wetlands and Waterways Inspections and Compliance sections at (410) 631-3510 at least five days in advance of beginning any work in streams, 100-year floodplain, sediment wetlands and wetland buffers (if necessary).
- Notify HCD Department of Inspections 410-313-1855 at least 48 hours prior to beginning any work.
- Department of Inspections (410)313-1855 at least 48 hours prior to beginning work. Department of Inspections shall be notified of any work in streams, 100-year floodplain, sediment wetlands and wetland buffers where the limit is within 50 feet of forest conservation easement, 100-year floodplain, wetlands, 1 day buffer or stream buffer. This shall be completed by and inspected at the pre-construction meeting.
- With permission from the Sediment Control Inspector, clear and grub for and install new sediment controls that are shown as proposed on the plan. The sediment controls from F-04-023, to remain, are shown as existing on the plan and those from F-04-029 not shown are to be removed. Notify HCD Department of Inspection, upon completion of soil installation and gain permission to proceed. 3 days
- With the approval of the sediment control inspector, clear and grub the remainder of the site (if necessary). Dust shall be controlled by dust control specifications below. 1 week
- Mass grade site and begin house construction. 2 years
- Upon stabilization of site with established vegetation and with the permission of the sediment control inspector, flush the storm drain system. 2 days
- With the permission of the Sediment Control Inspector, remove sediment control measures including sediment traps and stabilize any areas disturbed by their removal. Convert basin to S.W.M. pond. 2 days

* For lots constructed after perimeter sediment controls are removed, see typical lot sediment controls on sheet _____. For Lots 43,44,91 and 92 see insets for final grading and sediment controls on sheet _____.

Permanent/Temporary Seeding Notes

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION - LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS - IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

1. PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ. FT.) AND 1000 LBS. PER ACRE 10-10-40 FERTILIZER (4 LBS./1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ. FT.)

2. ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ. FT.) AND 1000 LBS. PER ACRE 10-10-40 FERTILIZER (25 LBS./1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 15 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE (4 LBS./1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE FOR THE PERIOD MAY 1 THRU JULY 31 SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS./1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY OPTION (1) - 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE SOIL (3) - SEED WITH 60 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING - APPLY 1 1/2 TO 2 TONS PER ACRE (70 - 80 LBS./1000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 200 GALLON PER ACRE (5 GALLON/SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 3 FEET OR HIGHER, USE 340 GALLON PER ACRE (8 GALLON/SQ. FT.) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE H - 20 - 1 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Permanent/Temporary Seeding Notes

Dust Control Specifications

- Mulches - see standards for vegetative stabilization with mulches only. Mulch should be clipped or tacked to prevent blowing.
- Vegetative cover - see standards for temporary vegetative cover.
- Tillage - to roughen surface and bring clods to the surface. This is an emergency measure which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment which may produce the desired effect.
- Irrigation - this is generally done as an emergency treatment. Site is sprinkled with water until the surface is moist. repeat as needed. At no time should the site be irrigated to the point the runoff begins to flow.
- Barriers - solid board fences, snow fences, burlap fences, straw bales, and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 10 times their height are effective in controlling soil blowing.
- Calcium chloride - apply at a rate that will keep surface moist. May need retreatment.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

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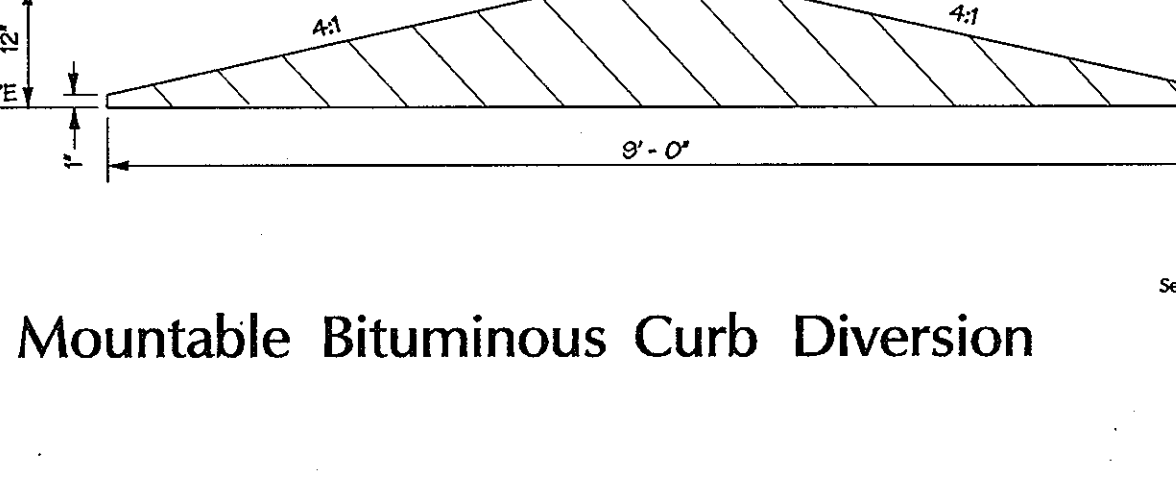
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MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE H - 20 - 1 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Dust Control Specifications Not To Scale

Sediment Control General Notes



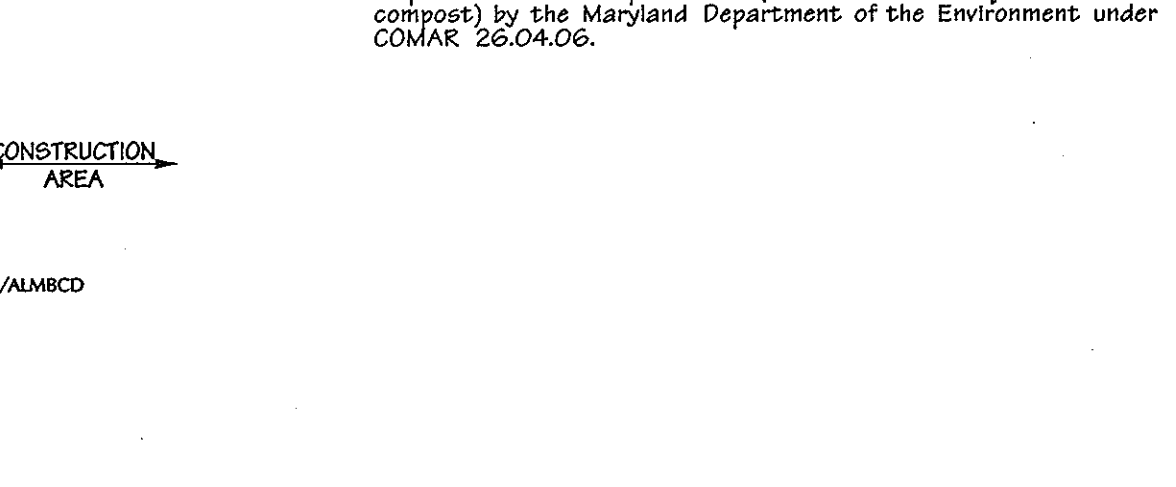
CONSTRUCTION SPECIFICATIONS

- FENCING SHALL BE 42 INCHES IN HEIGHT AND CONSTRUCTED ACCORDANCE WITH THE LATEST MARYLAND STATE HIGHWAY (SHA) DETAILS FOR CHAIN LINK FENCING. THE SPECIFICATION FOR A 6 FEET SHALL BE USED SUBSTITUTING 42" FABRIC AND OF LENGTH POSTS.
- THE POSTS DO NOT NEED TO BE SET IN CONCRETE.
- CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES. THE LOWER TENSION WIRE, DRACE AND TRUSS RODS, DRIVE ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE. THE CHAIN LINK FENCING SHALL BE 50 (5) GAUGE OR HEAVIER.
- FILTER CLOTH SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACING EVERY 24" AT THE TOP AND MID SECTION.
- FILTER CLOTH SHALL BE EMBEDDED A MINIMUM OF 6" INTO THE GROUND.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FASTENED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT BUILDUP REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE, OR WHEN SILT REACHED 50% OF FENCE HEIGHT.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE H - 20 - 3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Mountable Bituminous Curb Diversion

Erosion Control Matting



CONSTRUCTION SPECIFICATIONS

- KEY-IN THE MATTING BY PLACING THE TOP ENDS OF THE MATTING IN A NARROW TRENCH 6" IN DEPTH BACK IN THE TRENCH AND TAMP FIRMLY TO CONFORM TO THE CHANNEL CROSS-SECTION. SECURE WITH A ROW OF STAPLES ABOUT 4" DOWN SLOPE FROM THE TRENCH SPACING BETWEEN STAPLES 6".
- STAPLE THE 4" OVERLAP IN THE CHANNEL CENTER USING AN 18" SPACING BETWEEN STAPLES 6".
- BEFORE STAPLING THE OUTER EDGES OF THE MATTING, MAKE SURE THE MATTING IS SMOOTH AND IN FIRM CONTACT WITH THE SOIL.
- STAPLES SHALL BE PLACED 2" APART WITH 4 ROWS FOR EACH STRIP. 2" OUTER ROWS, AND 2" ALTERNATING ROWS DOWN THE CENTER.
- WHERE ONE ROLL OF MATTING ENDS AND ANOTHER BEGINS, THE END OF THE TOP STRIP SHALL OVERLAP THE UPPER END OF THE LOWER STRIP BY 4" SHIP-LAP FASHION. REINFORCE THE OVERLAP WITH A DOUBLE ROW OF STAPLES SPACED 6" APART IN A STAGGERED PATTERN ON EITHER SIDE.
- THE DISCHARGE END OF THE MATTING LINE SHOULD BE SIMILARLY SECURED WITH 2" DOUBLE ROWS OF STAPLES.
- NOTE: IF FLOW WILL ENTER FROM THE EDGE OF THE MATTING THEN THE AREA EFFECTED BY THE FLOW MUST BE KEY-IN.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE G - 23 - 2 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Erosion Control Matting Not To Scale

Developers Certificate

I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DESIGNER OR ENGINEER APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I AUTHORIZE FUTURE ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *Al Lester*
Date: 22 DEC 2006

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE G - 23 - 2 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Developers Certificate

Engineers Certificate

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS

Signature: *Charles V. Main II*
Date: 12-21-06

Signature: *John R. Robertson*
Date: 12/29/06

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE G - 23 - 2 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Engineers Certificate

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING		1/4/07	
CHIEF, DEVELOPMENT ENGINEERING DIVISION		DATE	
CHIEF, DIVISION OF LAND DEVELOPMENT		1/8/07	
DIRECTOR		DATE	
Date	No.	Revision Description	
		SITE DEVELOPMENT PLAN	
		CIDER MILL - PHASE II	
		LOTS 43 THROUGH 97	
		(RECORDED AS OWENS PROPERTY, PHASE II)	
OWNER(S):	OWNER(S)/DEVELOPER:		
Patapasco Land LLC	K. Hovatan Homes of Maryland		
C/O James Keating	1802 Brightseat Road		
P.O. Box 528	Lanover, MD 20785		
61 East Padonia Road	301-772-8925		
Tonium, MD 21093			
SUBMISSION NAME (PLAT)	SECTION/AREA	LOT/PARCEL #	
CIDER MILL (17533-17535)	PHASE II	43-97	
RATE OF UP	DATE	ISSUE NO.	
19270-19282 (01617)	820	1	
DATE	SWAMP CODE	SEWER CODE	
12-21-06	D-03	1254650	
Des. By: MJP Scale: 1"=30' Dm. By: GMD Date: 12/22/06 Chk. By: Approved			
Proj. No. 01086.B2 15 of 16 SDP-06-149			

